

AUG 13 1954

S. V. WILSON HEIRS No. 3 WELL.

By C. I. Collins et al, Pennsboro, W. Va.

Clay District, Ritchie County

West Union Quadrangle. - 5W ^{latitude}

Located 3.65 Mi. S. of 39° 20' and 3.02 Mi. W. of 80° 55' Longitude.

Permit - Rit-1485

Elevation 1686'.

Drilling commenced August 18, 1953; completed Sept. 18, 1953.

Shot Sept. 18, 1953 from 2050 to 2060' with 30 qts of glycerine.

Fresh water 387-420 and 1525'.

Gas well 591,000 cu. ft.

Rock Pressure 495 lbs. in 24 hrs.

Casing 10", 143'; 8", 708'; 6-5/8" 1530'; 5-5/16, 1910'.

Perforated, top 1780'; bottom 1781' 7".

Section based on samples from 1860 to 2086'.

Examined by Russell R. Flowers.

Top	Bottom	Thickness	
<u>POTTSVILLE FORMATION, 5, plus, FEET.</u>			
1860	1865	5	Sandstone, very light gray, fine grained, some medium coarse grains, subangular to subrounded; quartzose; some brownish black to dark yellowish brown siderite
<u>NAUCH CHUNK, 8 FEET.</u>			
1865	1873	8	Limestone to shale at the top to limestone (shaly) at the bottom, dark gray to gray, and brownish black, contains some crinoid stems, sandy in the lower part; some dark gray shale at the bottom
<u>GREENBRIER LIMESTONE, 81 FEET.</u>			
1873	1894	21	Limestone, light olive gray to dark yellowish brown, mostly light olive gray in the upper part, small amount of brownish black at the bottom, very sandy and silty from 1875-1880'
1894	1900	6	Limestone-oolites, pale yellowish brown to light olive gray, fine to medium grained
1900	1910	10	Limestone, pale yellowish brown to olive gray, oolitic
1910	1922	12	Limestone, olive gray to dark yellowish brown, somewhat fossiliferous (forams, crinoids), slightly dolomitic, very fine to extremely crystalline
1922	1937	15	Limestone, olive gray (dolomitic), some brownish black, (somewhat argillaceous), somewhat to crystalline
1937	1946	9	Limestone-oolites, pale yellowish brown to light olive gray; small amount of dark greenish gray shale
1946	1954	8	Limestone, light olive gray to brownish gray, very sandy (very fine grained)
<u>POCONO FORMATION, 152, plus, FEET.</u>			
1954	1991	37	Sandstone, very light gray, fine grained, some medium grains, subangular to subrounded, many of the grains show secondary crystal facets, quartzose
1991	1998	7	Shale to siltstone, medium to medium dark gray spotted with siderite sperulites, micaceous
1998	2020	22	Sandstone, very light to light gray, very fine grained

2026	2035	9	Sandstone, light gray, some medium gray, very fine grained, argillaceous, sideritic, somewhat micaceous
2035	2067	32	Sandstone, light gray, very fine grained, some fine to coarse (rounded) grains, somewhat sideritic (dark yellowish brown spots), somewhat argillaceous, very fine grained / the bottom
2067	2074	7	No sample
2074	2079	5	Sandstone, light gray, very fine grained, contains many medium to very coarse quartz grains (well rounded); some dark gray shale; small amount of dark yellowish brown, silty and sandy shaly siderite
2079	2086	7	Shale, dark gray and siltstone, medium dark to dark gray; some light gray, very coarse grained sandstone