

JAN 12 1954



Harper District, Roane County, W. Va.

By M. Edward Hersman, Operator, Spencer, W. Va.

Located 4.14 mi. S. of 38° 40' Lat. and 2.47 mi. W. of 81° 25' Long.

Walton Quadrangle - WC.

Elevation 1040'.

Permit - Roane 641.

10" casing, 190'; 8", 1023'; 7", 1949'.

Gas at 2036-2043 (corrected depth) Rock pressure 275-350.

Oil show 2097-2104.

Section based on samples from 1876 to 2107; examined by Russell R. Flowers.

Top	Bottom	Thickness	
1876	1886	10	Sandstone, very light gray, very fine to medium grained; Dolomite, brownish black, calcareous
1886	1925	39	No sample (probably Little Lime and Pencil Cave)
1925	1930	5	GREENBRIER LIMESTONE, 151 Feet. Limestone, light olive gray, some olive gray, to brownish gray, contains some dark gray Shale (Pencil Cave - cavings?), this limestone is somewhat shaly
1930	1961	31	Limestone, light ^{gray} olive to olive gray, somewhat shaly in the upper part to shaly in the lower part; slightly silty, fossiliferous ((forams) at the top
1961	1967	6	Limestone, dark yellowish brown to brownish gray, some dark yellowish brown to brownish black at the top, somewhat shaly, somewhat sandy (very fine to fine grained, rounded), somewhat silty
1967	1973	6	Limestone-oolitic, pale yellowish brown to light olive gray
1973	1984	11	Limestone, light olive gray, very highly dolomitic, slightly argillaceous
1984	1991	7	No sample (1991 to 1990 depth correction?)
1991	-	-	Limestone, pale yellowish brown to light olive gray, very highly oolitic, <i>somewhat sandy & silty</i>
1990	2001	11	Limestone, light olive gray to pale yellowish brown, oolitic; Limestone, light olive gray (highly dolomitic) at top, light olive gray and greenish gray, Limestone (dolomitic, silty) to siltstone at bottom
2001	2014	13	Limestone, pale yellowish brown, highly oolitic in part, sandy, very fine, silty
2014	2023	9	Limestone, light olive gray, small amount of light olive gray to greenish gray (argillaceous), oolitic in the upper part, dolomitic in the lower part
2023	-	-	Depth correction (2033 DLM = 2046 SLM)
2036	2046	10	Limestone, very pale orange to pale yellowish brown, ^{very} highly dolomitic, somewhat sandy (very fine to fine grained), somewhat silty (gas from 2036-2043)
2046	2076	30	Dolomite, pale yellowish brown, very silty (coarse) and very sandy (very fine), calcareous

POCONO FORMATION, 31 Feet

2076	2096	20	Sandstone, very light gray, very fine to fine grained, very light gray to light brownish gray at the bottom, slightly calcareous, moderately calcareous and dolomitic at the bottom
2096	2104	8	No sample Oil show reported as part of Injun sand
2104	2107	3	Shale, dark gray; some siltstone to very fine sandstone, light to medium gray