

FEB 17 1954

Murphy District, Ritchie County, W. Va.  
 By Andy Jones, Mounted Rt. 10, Butler, Pa.  
 Located .37 Mi. W. of 81° 00' and 2.05 Mi. S. of 39° 10'  
 Harrisville Quadrangle -- EC  
 Elevation 1056' (Plat)  
 Permit - Ritchie 1503

Top	Bottom	Thickness	
<u>Pottsville Formation, 34, plus, Feet</u>			
1940	1968	28	Shale, dark gray, very silty, somewhat sideritic
1968	1974	6	Shale, dark gray to grayish black, with black carbonaceous streak; some black, highly carbonaceous shale to coal; fire clay, medium to medium dark gray, sandy
<u>Mauch Chunk Formation, 21 feet.</u>			
1974	1988	14	Limestone, brownish black in the upper part, very shaly, fossiliferous, some crinoid fragments; a large amount of dark gray, silty, fossiliferous calcareous shale at the bottom
1988	1995	7	Sandstone, very light to medium light gray, very fine grained to coarse silty, calcareous with some brownish gray to dark yellowish brown, silty limestone
<u>Greenbrier Limestone, 135 Feet.</u>			
1995	2007	12	Chert, (highly calcareous) to limestone (very cherty) very light to light gray, porous to a cherty siltstone (in the lower part)
2007	2014	7	Limestone, dark yellowish brown, oolitic in part, shaly and silty
2014	2025	11	Limestone, pale yellowish brown to light olive gray, somewhat silty
2025	2040	15	Limestone, <del>dark</del> light olive gray to olive gray and dark yellowish brown, somewhat shaly, silty in the upper part
2040	2048	8	Limestone, dark yellowish brown to olive gray, shaly, an occasional foram
2048	2057	9	Limestone, dark yellowish brown to brownish black, very shaly
2057	2070	13	Limestone, brownish black, brownish black to grayish black, very shaly to a very highly calcareous shale
2070	2073	3	Dolomite, medium dark to dark gray, very shaly
2073	2090	17	Sandstone, very light gray to brownish gray, some light gray, fine grained, many medium grains, highly calcareous; some dark yellowish brown to brownish black limestone in the lower part
2090	2103	13	Limestone, oolitic, sandy (at top) to a very sandy oolitic limestone (at bottom), pale yellowish brown, the sand, is very fine to medium grained, silty
2103	2108	5	Limestone, yellowish gray, highly dolomitic

2108 2120 <sup>12</sup> 8 Siltstone, yellowish gray, very sandy (medium to very coarse grained, well rounded), highly dolomitic, calcareous

2120 2130 10 Limestone to sandstone, yellowish gray, fine to medium grained in the upper part, medium to coarse grained in the lower part, very silty, dolomitic

Pocono Formation, 19, plus, feet

2130 2149 19 Sandstone, medium gray, some medium gray to greenish gray, very fine grained, with some fine to medium grains, silty, argillaceous, contains grayish brown (dolomitic) streaks and some moderate yellowish brown dolomite; some dark gray shale