



By Clay S. Grouse, 207 S. Heber Street, Beckley, W. Va.
 Birch District, Braxton County, W. Va.
 Cassaway Quadrangle - NW.
 Located 3.27 Mi. S. of 38° 45' and 3.08 Mi. W. of 80° 55'.
 Elevation 1155' L.
 Permit Brax-556

Drilling commenced 9/22/53; completed 10/24/53.

Shot 10/26/53 fr. 2070 to 2120 with 90 qts.

Gas well Open flow 28/10 lbs Water in 2" OP.

Casing 15" wood 18'; 10", 197'; 8" 748'; 6-3/8", 1973 7" packer at bottom of hole.

Coal 912-914.

Section based on samples from 1567 to 2175'; examined by Russell R. Flowers.

Top	Bottom	Thickness	
<u>POTTSVILLE FORMATION, 20, plus, Feet.</u>			
1567	1587	20	Shale, dark gray to grayish black, silty
1587	1911	324	NO SAMPLE
<u>MAUCH CHUNK FORMATION, plus, FEET.</u>			
1911	1918	7	Limestone, brownish black to grayish black, very shaly to a highly calcareous shale, fossiliferous (Little Lime? - 1918); from 1914-1918, limestone very light gray to olive gray, highly oolitic, very sandy (very fine); fr 1912-14 5' dk gray (Pencil 'Gave'.)
1918	1944	26	Siltstone to very fine sandstone, greenish gray to medium dark gray, some dark gray (shaly)
1944	1952	8	Sandstone, very light gray, very fine grained, very slightly calcareous, quartzose
<u>GREENBRIER LIMESTONE, 171 Feet.</u>			
1952	1957	5	Limestone, dark yellowish brown, very highly oolitic, argillaceous in part
1957	1967	10	Limestone, light olive gray, oolitic, silty
1967	1980	13	Limestone, light olive gray to olive gray, highly argillaceous, very highly argillaceous in at the bottom, somewhat fossiliferous (forams) very
1980	2001	21	Limestone, olive gray, highly argillaceous in the middle part
2001	2011	10	Limestone, dark yellowish brown to olive gray, argillaceous, sandy (very fine to medium grained, rounded), silty
2011	2025	14	Limestone-oolites, light olive gray, somewhat argillaceous; some olive gray limestone (dolomitic) in the lower part
2025	2033	8	Limestone, dark yellowish brown, dolomitic, very sandy (very fine, rounded)
2033	2053	20	Limestone, light olive gray, very fine to extremely finely crystalline, somewhat argillaceous, somewhat silty
2053	2059	6	Limestone to a highly calcareous shale, olive gray and greenish gray to medium dark gray, very silty, dolomitic; a large amount of light olive gray, silty limestone

2058	2070	12	Limestone, olive gray to greenish gray, very shaly, very silty, sandy (very fine to medium grained, rounded); limestone, light olive gray to olive gray and dark yellowish brown, oolitic in part; some dark gray to brownish black, very silty limestone to highly calcareous shale
2070	2086	16	Limestone, light olive gray to pale yellowish brown, dolomitic, very highly dolomitic in the middle part, somewhat argillaceous, silty
2086	2103	17	Limestone, light olive gray to pale yellowish brown, dolomitic, very silty (coarse), sandy (very fine to medium grained, rounded to well rounded)
2103	2123	20	Dolomite, pale yellowish brown, highly calcareous and somewhat silty and somewhat sandy at the top, calcareous and very silty and very sandy (fine to coarse grained, well rounded) in the middle and lower part
<u>POCONO FORMATION, 42, plus, Feet.</u>			
2123	2148	25	Siltstone, medium dark gray to dark gray and dark greenish gray; some medium dark to dark gray shale
2148	2165	17	Shale, dark gray, silty; siltstone, medium dark to dark gray, some medium dark gray to dark greenish gray; some pale yellowish brown to dusky yellowish brown, highly sideritic shale and siltstone
2165	2175	10	No Sample
	2175		TOTAL DEPTH