

J. W. Whetherholt et al. No. 1 (GW-458) Well

Ripley District, Jackson County, W. Va.

By Columbian Carbon Company, Charleston, W. Va.

Located 3.2 mi. W. of 81°35' and 0.85 mi. S. of 38°35' -SC- Kenma Quadrangle;

0.7 mi. S. and 0.2 mi. E. of Denny E. Anderson No. 1 well.

Elevation, 956.4' (derrick floor).

Permit, Jac-36.

Drilling commenced June 25, 1940; completed Sept. 27, 1940.

Volume, 4,927,000 cu. ft. per day.

Well was not shot.

Rock pressure, 1280 lbs. 12 days.

13-3/8" casing, 40'; 10 5/8", 906'4" (pulled); 8-5/8", 2164'1"; 7", 5203'7"; 2-3/8", 5332'11".

Salt water at 1620'; 2-10" bailers per hour; at 1635', hole full.

Samples from 1967 to 5316' examined by Constantin Apsouri.

Top Bottom Thickness

Pottsville Formation, 23+ feet

1967 2010 23 Sandstone, nearly white, angular

Greenbrier Limestone, 63 feet

2010 2033 23 Limestone, very light brown, sandy, oolitic; a few rounded and some frosted grains

2033 2042 9 Limestone, very light brown, slightly sandy and slightly dolomitic

2042 2073 31 Limestone, very light brown, sandy and slightly dolomitic

Pocono Formation, 472 feet

2073 2083 10 Sandstone, white, angular; most medium-grained but contains some coarse grains; some calcareous material and a little shale

2083 2120 37 Sandstone, white medium-grained

2120 2127 7 Sandstone, light-brown, calcareous, 80%; gray shale, 20%

2127 2135 8 Shale, gray; a few very coarse sand grains

2135 2140 5 Shale, gray, 60%; fine calcareous sandstone, 40%

2140 2151 11 Shale, gray

2151 2266 115 Shale, gray, 40%; lighter gray siltstone and fine, green, somewhat calcareous sandstone, 60%

2266 2324 58 Shale, dark-gray

Top Bottom Thickness

2324	2523	199	Shale, gray, 70 to 85%; gray siltstone 30 to 15%
2523	2539	16 27	Shale, very dark gray to black (Sunbury Shale)
2539	2545	6	Sandstone, nearly white, very fine, pyritic (Berea Sandstone)

Devonian Shales, 2580 feet

2545	2775	230	Siltstone, grayish-green, interstratified with gray shale
2775	2903	128	Shale, light-gray
2903	3243	340	Siltstone, grayish-green, 50%; gray shale, 50%; a little black shale
3243	3543	200	Shale, gray; some siltstone and black shale
3543	3835	292	Shale, gray; shale of various shades of gray interstratified with some siltstone; some of shale contains small spherical pyrite concretions and some contains plant spores
3835	4355	520	Shale, gray to dark-gray; some light-gray siltstone
4355	4852	497	Shale, light-gray; a little dark-gray and brownish shale
4852	5065	213	Shale, light-gray, 50%; dark-gray to brownish shale, 50%
5107	5107	42	Shale, very dark gray, calcareous
	5107		Depth corrected to 5125 by SLM

Huntersville Chert, 107 feet

5125	5232	107	Limestone, brown, very cherty; thin streak of biotite-rich siltstone at top; some sand and glauconite near bottom
------	------	-----	---

Oriskany Sandstone, 84 feet

5232	5257	25	No samples; gas pays at 5237-5251' and 5254-5256'
5257	5262	5	Sandstone, white, medium-grained, slightly calcareous
5262	5278	16	Sandstone, nearly white, fine to medium-grained, calcareous
5278	5290	12	Sandstone, nearly white, fine to very fine, highly calcareous
5290	5316	26	Sandstone, gray to brownish, fine, highly calcareous
	5316		Total depth