

Peytona Coal Land Company No. 53 (497) Well

Sherman District, Boone County, W. Va.

By The Owens, Libbey-Owens Gas Dept., Charleston, W. Va.

Located 4.85 mi. S. of 38°10' and 1.16 mi. W. of 81°40' -WC- Peytona Quadrangle.

Elevation, 1133' L.

Permit, Boo-397.

Drilling commenced Mar. 13, 1940; completed June 20, 1940.

Shot June 1, 1940, depth 2824-4218'.

Volume, 77,000 cu. ft. (from Berea and Shales below).

Rock pressure 348 lbs. in 60 hrs.

Fresh water at 65'; salt water at 920'.

10" casing, 35'8"; 8 1/2", 355'; 6-5/8", 1708'; 3" tubing, 3474'.

Section based on incomplete samples from 1687 to 4872' examined by C. Apsouri,  
and on driller's record.

Top Bottom Thickness

Greenbrier Limestone, 247 feet

Top	Bottom	Thickness	Description
1677			Top of "Big Lime" from driller's record
1687	1709	22	Limestone, very light brown, oolitic, somewhat sandy
1709	1714	5	Limestone, very light brown, somewhat sandy
1714	1761	47	Limestone, brown, with a few oolites and some fossils
1761	1777	16	Limestone, light-brown, oolitic, slightly sandy
1777	1785	8	No sample
1785	1810	25	Limestone, light-brown oolitic
1810	1816	6	No sample
1816	1826	10	Limestone, light-brown with some reddish spots, oolitic; about 15% of greenish shale
1826	1841	15	Limestone, nearly white, oolitic, sandy
1841	1847	6	Limestone, nearly white, finely crystalline, dolomitic
1847	1855	8	Limestone, nearly white, oolitic
1855	1875	20	No sample
1875	1890	15	Limestone, very light brown
1890	1896	6	No sample
1896	1905	9	Limestone, brown, sandy
1905	1912	7	Dolomite, brown, sandy; a little white anhydrite

Top	Bottom	Thickness	
1912	1920	8	Sandstone, white, very fine, dolomitic, 60%; brown pyritic siltstone, 40%; some large rounded and frosted grains in the sandstone (depth on this sample is doubtful)
<u>Maccrady Formation, 28 feet</u>			
1920	1930	10	Sandstone, red and green, very fine, silty
1930	1938	8	Siltstone, gray, sandy, 85%; red siltstone, 15%
1938	1948	10	Siltstone, red
<u>Pocono Formation, 444 feet</u>			
1948	1964	16	Shale, gray, silty
1964	2372	408	Shale and siltstone (no samples)
2372	2381	9	Shale, black (Sambury Shale; no samples)
2381	2392	11	Sandstone, white, hard (Berea Sandstone; no samples)
<u>Devonian Shales, 2469 feet</u>			
2392	4861	2469	Samples incomplete; not described in detail
<u>Hunterville Chert, 11+ feet</u>			
4861	4872	11	Limestone, brown, cherty
	4872		Total depth