

Bull Creek Coal Land Company No. 23(679) Well

Peytona District, Boone County, W. Va.

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

Located 3.5 Mil S. of 38° 15' and 0.21 Mi. W. of 89° 40' N W -

Peytona Quadrangle.

Elevation, 835' L. (ground)

Permit - Boo - 640

Drilling commenced Aug. 11, 1944; completed to 1363' Sept. 10, 1944;

completed deepening to 4420', April 11, 1945.

Oil and gas well.

After shooting in Oriskany 35,000 Cu. Ft. gas; 4½ bbls. oil 1st 44 hours.

Coal at 181', 36"

6 5/8 casing 1368'; 2 3/8 tubing 4412'.

Section based on samples from 1056 to 1444' and 1711 to 4420', examined

by J. H. C. Martens, omitting most of Devonian shales.

Top	Bottom	Thickness	<u>Mauch Chunk Group, 58½ feet</u>
1056	1114	58 58	Limestone, gray to brownish, and gray fissile shale (not described in detail)
1114	1125	11	<u>Greenbrier Limestone, 186 feet</u> Limestone, very light brown to nearly white; some gray shale cavings
1125	1148	23	Limestone, very light brown
1148	1159	11	Limestone, brown
1159	1179	20	Limestone, light-brown, partly oolitic
1179	1204	25	Limestone, light-brown
1204	1210	6	Limestone, light-brown, partly sandy and oolitic
1210	1236	26	Limestone, very light brown, oolitic, with a few rounded sand grains; some fragments have visible pores, 1210-1217' (gas, 1212-1217', 66 M)
1236	1243	7	Limestone, light-brown with green spots, oolitic and sandy

1243	1266	23	Limestone, light-brown with green spots, sandy and oolitic, 70%; white to light-green, very fine textured dolomitic limestone, 30% (gas, 1243', 69 M)
1266	1284	18	Limestone, light-brown, oolitic and slightly sandy
1284	1300	16	Limestone, very light brown, partly dolomitic <u>Maccrady Formation, 26 feet</u>
1300	1308	8	Sandstone, red, very fine, with about 20% of very coarse quartz veins
1308	1326	18	Sandstone, red, very fine, silty (gas 1312-1316', 70M) <u>Pocono Formation, 439 feet</u>
1326	1375	49	Shale, dark-gray, silty
1375	1394	19	No sample
1394	1444	50	Shale and siltstone, gray
1444	1711	267	No samples
1711	1741	30	Shale and siltstone, gray
1741	1763	22	Shale, very dark gray to black (Sunbury Shale)
1763	1765	2	Sandstone, white, very fine, with a few coarser grains (Berea Sandstone) <u>Devonian Shales, ²⁵⁴¹2643 feet</u>
1765	1783	18	Shale and fine siltstone, gray
1783	4286	2503	Samples not examined
4286	4306	20	Shale, black <u>Huntersville Chert, 93 feet</u>
4306	4399	93	Chert and cherty limestone, brown to gray (not described in detail) <u>Oriskany Sandstone, 16 feet</u>
4399	4407	8	Sandstone, white, medium-grained, calcareous (gas, 4403', 16 M; oil 4403', 1/2 bailer in 3 Hrs)

4407	4415	8	Sandstone, light-gray, fine- to medium-grained <u>Helderberg Group, 3½ feet</u>
4415	4418	3	Limestone, light-gray, very cherty
	4420		Total Depth, S L M