

Lenning Estate No. 7 (620) Well

Peytona District, Boone County, W. Va.

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

Located 5.51 mi. S. of 38° 10' and 2.78 mi. W. of 81° 40' - WC - Peytona
Quadrangle.

Elevation, 1010.4' L.

Permit Boo-518.

Drilled in 1941.

Dry hole. Acidized in Big Lime without increasing open flow.

Section based on samples from 1505' to 2206' examined by J. H. C. Martens.

Greenbrier Limestone, 209 feet

Top.	Bottom.	Thick- ness.	Description
1498			Top of Greenbrier based on change from "dark lime" to "white lime" in driller's record.
1505	1515	10	Limestone, light-brown
1515	1532	17	Limestone, brown
1532	1545	13	Limestone, very light-brown, with some oolites
1545	1560	15	Limestone, very light-brown
1560	1575	15	Limestone, very light-brown, slightly sandy, partly oolitic. (Small show of oil at 1575')
1575	1596	21	Limestone, very light brown
1596	1615	19	Limestone, very light brown, partly oolitic
1615	1636	21	Limestone, light-brown and reddish, oolitic and sandy
1636	1645	9	Limestone, white to slightly greenish, 70%; very light brown limestone with a few oolites, 30%
1645	1651	6	Limestone, very light brown, slightly porous, oolitic, 70%; white dolomitic limestone, 30%. (gas, 1650', 15,000 cu. ft.)
1651	1661	10	Limestone, very light brown to nearly white, partly dolomitic; a few slightly porous oolitic fragments, which are not dolomitic
1661	1669	8	Limestone, very light brown
1669	1681	12	Limestone, nearly white, dolomitic, 60%; very light brown limestone, 40%. dolomitic portion contains some anhydrite

Thick-
Top. Bottom. ness.

and a few coarse sand grains and is slightly porous.

(gas at 1677', 45,000 cu. ft.)

1681	1693	12	Limestone, very light-brown to nearly white, with a few green specks; mostly dolomitic
1693	1700	7	Limestone, brown, highly dolomitic
1700	1707	7	Dolomite, brown, sandy

Maccrady Formation, 22 feet

1707	1729	22	Siltstone, red and gray
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Pocono Formation, 456 feet

1729	1749	20	Siltstone, gray, sandy
1749	1838	89	Siltstone and silty shale, gray; more shale near top of interval
1838	1860	22	Siltstone, gray, with a little shale
1860	1892	32	Shale and siltstone, gray
1892	1915	23	Shale, dark-gray
1915	1952	37	No samples
1952	2091	138	Shale, gray to dark-gray, with small amounts of siltstone
2091	2144	53	Shale and siltstone, gray; increasing proportion of siltstone toward bottom of interval
2144	2176	32	Shale, very dark gray to black (Sunbury Shale)
2176	2185	9	Sandstone, gray, very fine, pyritic. (Sample missing, 2181-2191'; thickness from driller's record; Berea Sandstone)

Devonian Shales, 2396 feet

2185	2206	21	Shale and siltstone, gray
2206	4581	2375	Samples available for part of this interval, but were not examined.

Huntersville Chert, 4+ feet

4581	4585	4	"Corniferous" in driller's record.
	4585		Total depth