

Pattie M. Porter et al No. 4 (693) Well

Laurel Hill District, Lincoln County, W. Va.

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

Located 3.9 mi. S. of 38° 10' and 1.85 mi. W. of 82° 10' - WC -

Midkiff Quadrangle.

Elevation, 982.56' L.

Permit Lin-563.

Completed 1945. 180,000 cu. ft. gas in brown shale.

Section based on samples from 1486 to 2400', examined by J. H. C. Martens.

Survey also has samples from 2400 to 3548'.

Mauch Chunk Group, 58+ feet

Top.	Bottom.	Thick- ness.	
1486	1494	8	Siltstone, white, coarse, 70%; gray shale, 30%
1494	1499	5	Shale, red and gray, dolomitic
¹⁴⁹⁹ 1494	1505	6	Dolomite, brown, 50%, very fine gray sandstone, 50%
1505	1511	6	Siltstone, light-gray to greenish, sandy, 50%; soft gray shale, 30%; brown dolomitic limestone, 20%
1511	1523	12	Limestone, brown; also some shale and sandstone
1523	1544	21	Limestone, brown with white spots

Greenbrier Limestone, 198 feet

1544	1697	153	Limestone, very light brown
1697	1720	23	Limestone, light-brown, oolitic, slightly sandy
1720	1742	22	Limestone, light-brown, with indistinct oolites

Maccrady Formation, 38 feet

1742	1755	13	Siltstone, red and grayish-green, coarse
1755	1765	10	Siltstone, red, shaly
1765	1770	5	Siltstone, red and green

Pocono Formation, ⁵⁸⁷~~565~~ feet

1770	1783	13	Siltstone and shale, gray
1783	1793	10	Siltstone, light-gray, coarse, containing about 10% or more of very coarse white and yellow quartz grains

Top.	Bottom.	Thick- ness.	
1793	2143	350	Shale and siltstone, gray; not described in detail.
2143	2182	39	No samples
2182	2315	132	Shale, gray to dark-gray
2315	2335	20	Shale, very dark brownish-gray (Sunbury Shale)
2335	2357	22	Siltstone, white, coarse (Berea)

Devonian Shales, 1189 feet

2357	2360	3	Shale, light-gray
2360	2400	40	Siltstone, dark-gray, fine and shaly
2400	3541	1141	Samples not described.
	3546		Total depth.