

Pattie M. Porter No. 2 (881) Well

Laurel Hill District, Lincoln County, W. Va.

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

Located 3.12 mi. S. of 38° 10' and 1.85 mi. W. of 82° 10' - WC - Midkiff
Quadrangle.

Elevation, 1036.14' L.

Permit Lin-512.

Drilling commenced May 8, 1944; completed June 13, 1944. Gas well in
Berea; open flow 24 hrs. after shot, 208,000 cu. ft.

Rock pressure 453 lbs. in 60 hrs.

Section based on samples from 1484-¹⁸⁷2507', examined by J. H. C. Martens,
and on driller's record.

Mauch Chunk Group, 134+ feet

Top.	Bottom.	Thick- ness.	Description
1409	1419	10	First "Red Rock" in driller's record
1484	1490	6	Shale and siltstone, light-green, calcareous
1490	1500	10	No sample
1500	1514	14	Shale, red, calcareous
1514	1526	12	Shale, red, gray, and green; also small amount of brown limestone
1526	1532	6	Siltstone, very-light-green ^{ca}
1532	1537	5	Sandstone, white, very fine
1537	1543	6	Shale, gray, soft, thinly laminated, 60%; brown and white, fossiliferous limestone, 40%

Greenbrier Limestone, 222 feet

1543	1568	21	Limestone, light-brown; small amounts of gray shale, like that above
1564	1568	4	Limestone, very light-brown, 70%; gray, soft, thinly laminated shale, 30%
1568	1573	5	Limestone, very light-brown
1573	1579	6	Limestone, nearly white, oolitic
1579	1710	131	Limestone, very light-brown

Top.	Bottom.	Thick- ness.	
1710	1725	15	Limestone, nearly white, oolitic
1725	1736	11	Limestone, very light brown
1736	1741	5	No sample
1741	1746	5	Limestone, light-brown
1746	1754	8	Limestone, light-gray and brown, mostly dolomitic
1754	1765	11	Limestone, light-brown, partly dolomitic, 80%; white anhydrite, 20%

Maccrady Formation, 21 feet

1765	1786	21	Siltstone, red, shaly
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Pocono Formation, 579 feet

1786	1798	12	Siltstone, gray
1798	1813	15	Sandstone, light-gray, very fine, 50%; gray shale and siltstone, 50%; the sandstone contains some quartz pebbles and very coarse rounded sand grains
1813	1818	5	Sandstone, light-gray, fine, highly pyritic; contains a few coarse quartz grains
1818	1827	9	Sandstone, light-gray, fine, 50%; gray silty shale, 50%
1827	1842	15	Shale, gray, silty
1842	2341	494	<i>Incomplete samples, not explained</i>
2341	2355	14	Shale, brown (from driller's record)
2355	2365	10	Berea Sand, gray (from driller's record)
	2401		Total depth.