

Allen and Pryor No. 25 (549) Well

Scott District, Boone County, W. Va.

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

Located 2.3 mi. S. of 38°10' and 3.72 mi. W. of 81°45' -EC- Madison Quadrangle;

1 mi. E. of Lory on hillside north of Camp Creek.

Elevation, 1231.7' L.

Permit, 800-443.

Drilling commenced Jan. 18, 1940; completed, Feb. 26, 1940.

Shot Feb. 21, 1940; depth 2328-2349'.

Gas well; volume 180,000 cu. ft.; rock pressure 441 lbs. in 36 hrs. in Berea.

Salt water, 960'.

Coal at 70', 36"; at 557', 36".

8 1/4" casing, 589'; 6 5/8", 1687'; 3" tubing 2378'.

Samples nearly complete from 1644 to 1887'; additional information supplied from driller's records.

Top	Bottom	Thickness	
<u>Mauch Chunk Group, 46+ feet</u>			
1599	1642	43	Little Lime, dark, hard
1642	1645	3	Slate, dark, soft
<u>Greenbrier Limestone, 202 feet</u>			
1645	1657	13	Limestone, light-brown, 90%; soft gray shale, 10%
1657	1663	6	Limestone, light-brown; slight trace of shale (driller's record gives white hard slate, 1658-1659')
1663	1672	9	Limestone, light-brown, 90%; soft gray shale, 10%; limestone contains some indistinct oolites
1672	1683	11	Limestone, very light brown, 90%; soft gray shale, 10%
1683	1687	4	No sample
1687	1694	7	Limestone, light-brown, 95%; soft gray shale, 5%; (probably shale in samples from 1645 to 1894' is mostly cavings)
1694	1728	34	Limestone, light-brown to nearly white; oolitic, but owing to thorough cementation oolites are mostly indistinct
1728	1734	6	Limestone, very light brown, oolitic and sandy (gas at 1728', 528,000 cu. ft.; blew down to 58,000)
1734	1759	35	Limestone, very light brown, oolitic

Top	Bottom	Thickness	
1759	1765	6	Limestone, very light-brown; contains a few oolites and about 10% of sand
1765	1770	5	Limestone, light-brown, oolitic
1770	1777	7	No sample
1777	1791	14	Limestone, white and light-brown; much of the brown part consists of oolites
1791	1809	18	Limestone, gray and light-brown, somewhat dolomitic
1809	1842	33	Limestone, very light brown, oolitic
1842	1847	5	No sample; reported as dark hard lime
<u>Macerady Formation, 35 feet</u>			
1847	1852	5	Siltstone, red, sandy; a little coarse sandstone with well rounded grains and reddish dolomitic cement
1852	1877	25	Siltstone, red, sandy; some bright-red shale, 1869-1877'
1877	1882	5	Siltstone, red, sandy, 90%; broken coarse sand grains or quartz pebbles, 10%
<u>Pocono Formation, 467 feet</u>			
1882	1887	5	No sample
1887	1892	5	Shale, gray, 70%; white and light-red very fine sandstone, 30%
1892	2322	430	Not sampled; driller's record indicates that this interval is all gray shale and siltstone
2322	2332	10	Shale, black (Sunbury Shale)
2332	2349	17	Sandstone, white, hard (Berea Sandstone; the only sample available is that obtained in cleaning out after shot; it contains some very coarse grains; gas at 2336-2342', 75,000 cu. ft.)
<u>Devonian Shales, 29 + feet</u>			
2349	2366	17	Slate, light, soft
2366	2371	5	Shell, dark, hard
2371	2378	7	Slate, white, soft
	2378		Total depth