

Allen and Pryor No. 29 (576) Well

Scott District, Boone County, W. Va.

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

Located 5.15 mi. S. of 38°10' and 3.93 mi. W. of 81°45' -EC- Madison Quadrangle;

1.2 mi. N. E. of Danville.

Elevation, 1054.0' L.

Permit, Boo-478.

Drilling commenced Oct. 21, 1940; completed, Dec. 13, 1940.

Shot Dec. 7, 1940, depth 2043-2062'.

Gas well, volume 70,000 cu. ft.; rock pressure 300 lbs. in 24 hours.

Fresh water, 154,566 and 670'; salt water, 1100'.

10" casing 24 1/2"; 8 1/4", 540'; 6 5/8", 1345'; 3" tubing, 2089'.

The section given below is based on samples from 1508 to 1718' with other information supplied from driller's record.

Top Bottom Thickness

Mauch Chunk Group, 49+ feet

1296	1323	27	Limestone, brown ("Little Lime")
1323	1325	2	Shale, gray, soft, distinctly laminated
1325	1343	18	Limestone, brown; much shale cavings in samples
1343	1345	2	Shale, gray, soft, distinctly laminated (owing to uncertainty as to exact depth of a few samples and presence of shale cavings top of Greenbrier may not be very accurately determined)

Greenbrier Limestone, 210 feet

1345	1356	11	Limestone, light-brown; a little gray chert, 1351-1356'
1356	1358	2	No sample
1358	1370	12	Limestone, dark-brown
1370	1498	128	Limestone, very light brown, oolitic; a little sand, 1401-1467' and a little gray translucent chert, 1473-1498'
1498	1504	6	Limestone, light-brown, 80%; grayish-red dolomitic limestone, 20%; small amount of reddish chert
1504	1511	7	Limestone, very light brown, oolitic, 60%; grayish-red and grayish-green dolomitic limestone, 40%; a very little reddish chert

Top	Bottom	Thickness	
1511	1533	22	Limestone, very light brown, oolitic
1533	1555	22	Limestone, very light brown, dolomitic; contains oolites which are partially destroyed by dolomitization
<u>Maccrady Formation, 42 feet</u>			
1555	1597	42	Siltstone, red, shaly; a few small, rounded quartz pebbles, 1579-1589'
<u>Pocono Formation, 466 feet</u>			
1597	1686	89	Siltstone and silty shale, dark-gray, micaceous
1686	1702	16	Sandstone, gray, very fine; some shale and siltstone
1702	1710	8	No sample
1710	1718	8	Siltstone, light-gray, shaly
1718	1766	48	Shells, dark, hard
1766	1998	222	Slate and shells, dark, soft
1998	2014	16	Shell, dark, hard
2014	2043	29	Coffee Shale, brown, soft (Sunbury Shale)
2043	2063	20	Berea Sand, white, hard (gas 2053-2060', 99,000 cu. ft.)
<u>Devonian Shales, 26+ feet</u>			
2063	2067	4	Slate, light, soft
2067	2084	17	Shell, light, hard
2084	2089	5	Shell, dark, hard
	2089		Total depth