

H. G. Ballard No. 4 (565) Well

Scott District, Boone County, W. Va.

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

Located 0.75 mi. S. of 38°05' and 1.52 mi. W. of 81°50' -SC- Madison Quadrangle; 2 mi. W. of East Madison.

Elevation, 936.1' L.

Permit, Doc-461.

Drilling commenced April 24, 1940; completed June 13, 1940.

Shot June 4, 1940; depth 1968-1994'.

Gas well; volume 133,000 cu. ft. per day.

Rock pressure 290 lbs. in 64 hrs.

Fresh water at 75'; salt water at 920'.

Coal at 100', 60"; at 311', 36".

8 1/2" casing, 346'; 6-5/8", 1333'; 3" tubing, 2029'

Samples from 1213 to 1524' described by Constantin Apsouri.

Top Bottom Thickness

Mauch Chunk Group, 33+ feet

1213	1241	28	Limestone, dark-brown; also some gray shale
1241	1248	7	Siltstone, gray and brownish
1243	1283	35	Limestone, dark-brown; also some gray shale and calcareous siltstone
1283	1296	13	Shale gray; also brown limestone and greenish calcareous siltstone

Greenbrier Limestone, 196 feet

1296	1492	196	Limestone, light-brown; a large part of it is oolitic; not described in detail (gas at 1458', 26,000 cu. ft.)
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Maccrady Formation, 24 feet

1492	1517	25	Siltstone, grayish-red
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Pocono Formation, 482 feet

1517	1524	7	Siltstone, dark-gray
1959	1969	10	Shale, brown, soft (Sunbury shale)
1969	1999	30	Berea sand, gray, hard (gas at 1972-1975', 80,000 cu. ft.)

Devonian Shales, 31+ feet

2030			Total depth
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