

Allen and Pryor No. 27 (571) Well

Scott District, Boone County, W. Va.

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

Located 5.12 mi. S. of 38°10' and 4.33 mi. W. of 81°45' EC- Madison Quadrangle.

Elevation, 803.6' L.

Permit, Boo-457.

Drilling commenced June 17, 1940; completed, August. 8, 1940.

Shot at 1812 to 1839'.

Volume 147,000 cu. ft.; rock pressure 69 lbs. in 86 hrs.

Fresh water at 485'; salt water at 735'.

No coal reported.

13" casing, 32'; 10", 295'; 8½", 1135'; 3" tubing, 1877'.

Samples from 1072 to 1376' examined by C. Apsouri.

Top Bottom Thickness

Mauch Chunk Group, 46+ feet

| | | | |
|------|------|----|--|
| 1072 | 1077 | 5 | Shale, gray, soft, thinly laminated |
| 1077 | 1112 | 35 | Dolomite and dolomitic limestone, brown; considerable amount of soft gray shale, 1081 to 1085' and 1097 to 1101' |
| 1112 | 1118 | 6 | No sample |

Greenbrier Limestone, 230 feet

| | | | |
|------|------|----|---|
| 1118 | 1130 | 12 | Limestone, very light brown, oolitic |
| 1130 | 1172 | 42 | Limestone, brown, dolomitic |
| 1172 | 1179 | 7 | No sample |
| 1179 | 1189 | 10 | Limestone, almost white; some oolitic and some dolomitic |
| 1189 | 1214 | 25 | Limestone, white, very fine textured, dolomitic |
| 1214 | 1222 | 8 | Limestone, light-brown, oolitic |
| 1222 | 1245 | 23 | Limestone, very light brown, dolomitic |
| 1245 | 1275 | 30 | Limestone, very light brown, oolitic |
| 1275 | 1295 | 20 | Limestone, very light brown to slightly greenish, dolomitic |
| 1295 | 1322 | 27 | Limestone, very light brown, oolitic |
| 1322 | 1332 | 10 | Limestone, very light brown, dolomitic |
| 1332 | 1348 | 16 | Limestone, brown and light-red, dolomitic and sandy |

Maccrady Formation, 28 feet

| | | | |
|------|------|----|---|
| 1348 | 1362 | 14 | Siltstone, red |
| 1362 | 1376 | 14 | Siltstone, red, very sandy, 60%; dark-gray shaly siltstone, 40% |

Top Bottom Thickness

Pocono Formation, 463 feet

| | | | |
|------|------|----|--|
| 1800 | 1814 | 14 | "Shale, brown" (Sunbury Shale) |
| 1814 | 1839 | 25 | "Sandstone white, hard" (Berea Sandstone; gas at 1824', 12,000 cu. ft.) |
| | 1875 | | Total depth |