

P. M. Reynolds No. 19 Well

McKim District, Pleasants County, W. Va.

By South Penn Natural Gas Company, Parkersburg, W. Va.

Located 1.6 mi. S. of 39° 25' and 4.32 mi. W of 81° 05' -C- St. Marys
Quadrangle.

Elevation, 707.85' L.

Permit Pleas-220.

Drilling commenced Jan. 31, 1944; completed March 7, 1944.

Gas well; 69,000 cu. ft.

Section based on samples from 1293 to 2093' examined by J. H. C. Martens.

Survey also has samples from 430 to 1293'.

Pottsville Formation, 68+ feet

| Top. | Bottom. | Thick- ness. | |
|------|---------|-----------------|---|
| 1293 | 1325 | 32 | Sandstone, white, medium- to fine-grained |
| 1325 | 1335 | 10 | Sandstone, light-gray with brown spots, very fine |
| 1335 | 1340 | 5 | Shale, very light brownish-gray, 60%; very dark-gray shale, 40% |
| 1340 | 1358 | 18 | Shale and siltstone, very light-brownish-gray, sandy |
| 1358 | 1367 | 9 | Sandstone, white, very fine; also some shale and siltstone, like that above |
| 1367 | 1375 | 8 | Sandstone, white, fine, nearly all quartz |

Greenbrier Limestone, 35 feet

| | | | |
|------|------|----|---|
| 1375 | 1393 | 18 | Limestone, light-brown, oolitic |
| 1393 | 1410 | 17 | Limestone, very light brown, mostly oolitic, slightly sandy |

Pocono Formation, 554 feet

| | | | |
|------|------|----|---|
| 1410 | 1416 | 6 | Sandstone, light-gray, fine to very fine |
| 1416 | 1421 | 5 | Siltstone, gray, sandy, with siderite spherulites and concretions |
| 1421 | 1441 | 20 | Sandstone, gray, very fine, with small specks of siderite |
| 1441 | 1450 | 9 | Siltstone, gray with brown siderite and dolomite concretions |
| 1450 | 1470 | 20 | Sandstone, white to light-brown, medium-grained |
| 1470 | 1560 | 90 | Sandstone, light-gray to white with some brown spots, fine- to medium-grained |
| 1560 | 1580 | 20 | Shale, very dark-gray, 60 to 70%; light-gray, fine to |

Thick-
Top. Bottom. ness.

very fine sandstone, 40 to 30%

| | | | |
|------|------|-----|--|
| 1580 | 1585 | 5 | Sandstone, light-gray, coarse |
| 1585 | 1600 | 15 | Sandstone, white, medium- to coarse-grained (69,000 cu. ft. gas at 1590-1600') |
| 1600 | 1640 | 40 | Sandstone, light-gray, fine |
| 1640 | 1645 | 5 | Shale, dark-gray, silty |
| 1645 | 1705 | 60 | Shale and siltstone, gray |
| 1705 | 1724 | 19 | Siltstone, light-gray, coarse, with small amount of darker shale |
| 1724 | 1836 | 112 | Shale and siltstone, gray |
| 1836 | 1848 | 12 | Shale, gray, silty |
| 1848 | 1854 | 6 | Shale and siltstone, gray |
| 1854 | 1877 | 23 | Shale, dark-gray, silty |
| 1877 | 1938 | 61 | Shale and siltstone, gray; most of shale is rather dark |
| 1938 | 1964 | 26 | Shale, very dark gray; a little gray to brownish fine sandstone in bottom sample (Sunbury shale and Berea Sandstone) |

Devonian Shales, 129+ feet

| | | | |
|------|------|----|---|
| 1964 | 2035 | 71 | Siltstone and shale, gray |
| 2035 | 2046 | 11 | Siltstone and shale, gray to grayish-green, 80%; red silty shale, 20% |
| 2046 | 2093 | 47 | Siltstone and silty shale, gray to grayish-green |
| | 2093 | | Total depth |