

H. BURNINGHAM NO. 2 (8505) WELL.

Washington District, Boone County, W. Va.

By Hope Natural Gas Company, Clarksburg, W. Va.

Located 4.42 mi. N. of S1° 45' and 2.8 mi. S. of 38° 00' - NE - Logan quadrangle.

Elevation, 1702' ±.

Permit No-458.

Drilling commenced Oct. 19, 1940; completed, March 12, 1941.

Volume, 6,000 cu. ft.

Salt water, 1624, 1637, 1724, 1870, and 1925'.

Coal at 202-204, 220-224, 480-482, 714-718, 796-798, and 846-849'.

10" casing, 16' 9"; 8", 951'; 6", 2030'; 5", 2425'.

Section based on complete set of samples examined by G. Appouri.

Martens' record from samples.

Top. Bottom. Thickness.

POTTSVILLE FORMATION, 1968+ FEET

|             |     |  |
|-------------|-----|--|
| 0 - 10      | 10  | Siltstone, yellow  |
| 10 - 80     | 70  | Sandstone, white, medium- to coarse-grained                                  |
| 80 - 165    | 85  | Sandstone, white, coarse (driller's record gives slate, 85-95')              |
| 165 - 175   | 10  | Siltstone, gray, sandy   |
| 175 - 194   | 19  | Sandstone, white, medium- to coarse-grained                                  |
| 194 - 202   | 8   | Siltstone, white; almost a sandstone   |
| 202 - 204   | 2   | Coal   |
| 204 - 212   | 8   | Sandstone, white, medium-grained   |
| 212 - 220   | 8   | Siltstone, gray  |
| 220 - 224   | 4   | Coal   |
| 224 - 286   | 62  | Sandstone, white, fine to very fine  |
| 286 - 290   | 4   | Siltstone, nearly black  |
| 290 - 352   | 62  | Sandstone, white, very fine  |
| 352 - 370   | 18  | Siltstone, gray, 50%; sandstone, white, very fine, 50%                       |
| 370 - 380   | 10  | Shale, very dark gray  |
| 380 - 400   | 20  | Siltstone, gray, sandy   |
| 400 - 460   | 60  | Sandstone, white, very fine  |
| 460 - 480   | 20  | Siltstone, gray  |
| 480 - 482   | 2   | Coal   |
| 482 - 490   | 8   | Clay, gray   |
| 490 - 611   | 121 | Sandstone, white, very fine  |
| 611 - 705   | 94  | Siltstone, dark-gray   |
| 705 - 714   | 9   | Shale, very dark gray  |
| 714 - 718   | 4   | Coal   |
| 718 - 731   | 13  | Sandstone, white, very fine, containing siderite                             |
| 731 - 770   | 39  | Sandstone, white, medium- to coarse-grained                                  |
| 770 - 796   | 26  | Siltstone, dark-gray   |
| 796 - 798   | 2   | Coal   |
| 798 - 846   | 48  | Siltstone, gray, mostly sandy  |
| 846 - 849   | 3   | Coal   |
| 849 - 860   | 11  | Sandstone, white, medium-grained   |
| 860 - 880   | 20  | Siltstone, gray  |
| 880 - 951   | 71  | Sandstone, white, medium-grained   |
| 951 - 992   | 41  | Sandstone, white, fine, very silty   |
| 992 - 1045  | 53  | Sandstone, white, medium- to coarse-grained                                  |
| 1045 - 1067 | 22  | Siltstone, light-gray, with siderite spherulites, 60%; shale, dark-gray (?)  |
| 1067 - 1077 | 10  | Shale, very light gray, with siderite spherulites                            |
| 1077 - 1087 | 10  | Siltstone, gray, very sandy  |
| 1087 - 1152 | 65  | Shale, very dark gray, silty   |
| 1152 - 1182 | 30  | Sandstone, white, very fine, silty, 80%; siltstone, gray, 20%; a little coal |

(OVER)

| Top. | Bottom. | Thickness. |   |
|------|---------|------------|---|
| 2498 | - 2511  | 63         | Limestone, very light brown, oolitic; a little sand, 2498-2471'           |
| 2511 | - 2516  | 5          | Limestone, very light brown, highly dolomitic                             |
| 2516 | - 2526  | 10         | Limestone, very light brown, oolitic                                      |
| 2526 | - 2542  | 16         | Limestone, brown  |
| 2542 | - 2574  | 32         | Limestone, very light brown, oolitic                                      |
| 2574 | - 2600  | 26         | Limestone, very light brown, dolomitic                                    |
| 2600 | - 2607  | 7          | Limestone, brown, oolitic, sandy, dolomitic<br>MADONBY FORMATION, 53 FEET |
| 2607 | - 2660  | 53         | Siltstone, red<br>POCICO FORMATION, 430 FEET                              |
| 2660 | - 2667  | 7          | Siltstone, gray   |
| 2667 | - 2744  | 77         | Shale, gray   |
| 2744 | - 2781  | 37         | Siltstone, gray   |
| 2781 | - 3093  | 312        | Shale and siltstone, gray; some very fine sandstone in some samples       |
| 3093 | - 3111  | 18         | Shale, very dark gray to black (Gambury Shale)                            |
| 3111 | - 3140  | 29         | Sandstone, white, fine (Beres Sandstone)<br>DEVONIAN SHALES, 37+ FEET     |
| 3140 | - 3177  | 37         | Shale, gray   |
|      | 3177    |            | Total depth   |