

70005

Union
District, Pleasants County, W. Va.
 Owner - Philadelphia Co.
 Authority, Prof. John F. Carl.
 On Middle Island Creek.



| | Top. | Bottom. |
|-------------------------------|-------------|-------------|
| Clay | 0 | 10 |
| Sandstone | 10 | 30 |
| Gravel | 30 | 50 |
| Sandstone and lime | 50 | 80 |
| Red sandstone | 80 | 95 |
| Lime, white, hard (water) | 95 | 115 |
| Red lime | 115 | 125 |
| Lime, white, hard | 125 | 130 |
| Slate, white and soft | 130 | 140 |
| Sandstone, dark and hard | 140 | 155 |
| Slate, white, soft | 155 | 160 |
| Lime, white, soft | 160 | 164 |
| Coal | 164 | 165 |
| Slate, white and soft | 165 | 175 |
| Red..... | 175 | 185 |
| Slate, white | 185 | 205 |
| Sandstone, dark, close | 205 | 245 |
| Red....., soft | 245 | 265 |
| Lime | 265 | 275 |
| Red..... | 275 | 285 |
| Lime, white | 285 | 290 |
| Red..... | 290 | 360 |
| Slate, white | 360 | 380 |
| Red..... | 380 | 400 |
| Lime, white | 400 | 420 |
| Red cave | 420 | 465 |
| Lime, white | 465 | 510 |
| Coal | 510 | 515 |
| Slate, white | 515 | 545 |
| Lime, white | 545 | 560 |
| Slate, white, caves | 560 | 600 |
| Sandstone, dark, close | 600 | 620 |
| Sand and lime, hard and soft | 620 | 630 |
| Slate, dark and soft | 630 | 670 |
| Slate, white | 670 | 700 |
| Slate, white, soft | 700 | 780 |
| Sandstone, white, close | 780 | 850 |
| Slate, black, soft | 850 | 910 |
| Sandstone, white (water) | 910 | 1000 |
| Slate, black, soft | 1000 | 1080 |
| Sandstone, white | 1080 | 1125 (1125) |
| Slate, black, soft | (1125) 1125 | 1150 |
| Sandstone, white | 1150 | 1160 |
| Slate | 1160 | 1185 |
| Sandstone, white and soft | 1185 | 1205 |
| Slate, black and soft | 1205 | 1270 |
| Lime, white and hard | 1270 | 1340 |
| Sandstone, white (little gas) | 1340 | 1345 |
| Lime, dark and hard | 1345 | 1355 |
| Lime, white, - top Keener | 1355 | 1375 |
| Sandstone, hard and soft | 1375 | 1405 |

(OVER)

C. B. BANKER NO.....WELL (Continued).

| | Top. | Bottom. |
|----------------------------------------|------|---------|
| Slate, white and soft | 1405 | 1421 |
| Slate, white and soft | | |
| Sandstone, white, open (oil and water) | 1421 | 1440 |
| Sandstone, Big Injan, hard and soft | 1440 | 1600 |
| Slate and shell, white | 1600 | 1650 |
| Sandstone and slate | 1650 | 1700 |
| Slate, white | 1700 | 1775 |
| Slate, white | 1775 | 1875 |
| Slate, black and soft | 1875 | 1932 |

...Union.....District, Pleasants County, W. Va.
 On Middle Island Creek.
 Philadelphia Company.

| | Thickness. | Total. |
|------------------------------------------|------------|--------|
| Clay | 10 - | 10 |
| Sandstone | 20 - | 30 |
| Gravel | 20 - | 50 |
| Sandstone and lime | 30 - | 80 |
| Red sandstone | 15 - | 95 |
| Lime, white, hard (water) | 20 - | 115 |
| Red lime | 10 - | 125 |
| Lime, white, hard | 5 - | 130 |
| Slate, white and soft | 10 - | 140 |
| Sandstone, dark and hard | 15 - | 155 |
| Slate, white, soft | 5 - | 160 |
| Lime, white, soft | 4 - | 164 |
| Coal (Pittsburgh) | 1 - | 165 |
| Slate, white and soft | 10 - | 175 |
| Red shale | 10 - | 185 |
| Slate, white | 20 - | 205 |
| Sandstone, dark, close | 40 - | 245 |
| Red shale, soft | 20 - | 265 |
| Lime | 10 - | 275 |
| Red shale | 10 - | 285 |
| Lime, white | 5 - | 290 |
| Red shale | 70 - | 360 |
| Slate, white | 20 - | 380 |
| Red shale | 20 - | 400 |
| Lime, white | 20 - | 420 |
| Red cave | 45 - | 465 |
| Unrecorded | 25 - | 490 |
| Lime, white | 20 - | 510 |
| Coal (Bakerstown) | 5 - | 515 |
| Slate, white | 30 - | 545 |
| Lime, white | 15 - | 560 |
| Slate, white, caves | 40 - | 600 |
| Sandstone, dark, close (Dunkard) | 20 - | 620 |
| Sandstone and lime, hard and soft | 10 - | 630 |
| Slate, dark and soft | 40 - | 670 |
| Slate, white | 30 - | 700 |
| Slate, white, soft | 80 - | 780 |
| Sandstone, white, close (Second Cow Run) | 70 - | 850 |
| Slate, black, soft | 60 - | 910 |
| Sandstone, white (Salt Sand) | 90 - | 1000 |
| Slate, black, soft | 80 - | 1080 |
| Sandstone, white (Salt Sand) | 45 - | 1125 |
| Slate, black, soft | 25 - | 1150 |
| Sandstone, white.....10' | | |
| Slate.....25) Maxton | 55 - | 1205 |
| Sandstone, white and soft.20) | | |
| Slate, black and soft | 65 - | 1270 |
| Lime, white and hard (Big Lime) | 70 - | 1340 |
| Sandstone, white (little Gas) (Keener) | 5 - | 1345 |
| Lime, dark and hard | 10 - | 1355 |
| Lime, white | 20 - | 1375 |
| Sandstone, hard and soft | 30 - | 1405 |

(OVER)

C. B. RAFFER NO. 1 WELL (Continued).

487

| | Thickness. | Total. |
|-------------------------------------------------------------|------------|--------|
| Slate, white and soft | 16 | - 1421 |
| Sandstone, white, Big Lajun (oil and gas water at 1440') | 179 | - 1600 |
| Slate and shell, white | 59 | - 1650 |
| Sandstone and slate | 50 | - 1700 |
| Slate, white | 175 | - 1875 |
| Slate, black and soft | 57 | - 1932 |