

Butler District, Wayne County, W. Va.

By Chartiers Oil Co., Pittsburgh, Pa.

Located 2.95 mi. W. of 82° 25' and 3.43 mi. S. of 38° 15' - NW - Wayne Quadrangle.

On east side of Workman Branch of Right Fork of Twelvepole Creek, N. 32° E. 620 feet from mouth of branch.

Elevation, 620' L.

Completed to 1887' November 26, 1924; completed deepening November 21, 1938.

Poison gas reported at 3165 to 3170'; gas at 3652'.

Plugged back to 3690' November 22, 1938; acidized, December 4, 1938.

Gas well; volume, 75,000 cu. ft.; rock pressure, 740 lbs. in 9 hours.

Record by Martens from sample examination July 27, 1940.

Top. Bottom. Thickness.

CLINTON FORMATION, 312+ FEET.

| | | |
|------------------------------------|-----|--|
| 3745 - 3865 | 120 | Shale, grayish-red, non-calcareous; contains only a small porportion of silty fragments |
| 3865 - 3898 | 33 | Shale, green; a little glauconitic siltstone in sample from 3882 to 3898' |
| 3898 - 3907 | 9 | Shale, grayish-red and green; with some greenish pyritic siltstone |
| 3907 - 3914 | 7 | Shale, grayish-red and green; with some very fine, glauconitic, and calcareous sandstone |
| 3914 - 3922 | 8 | Shale, grayish-red and green; with considerable amount of green, partly glauconitic siltstone, a little red hematite (fossil ore) and a little white crystalline dolomite |
| 3922 - 3990 | 68 | Shale, grayish-red, mostly very fine textured |
| 3990 - 4008 | 18 | Siltstone, gray, dolomitic; with considerable gray and red shale |
| 4008 - 4018 | 10 | Shale, grayish-green |
| 4018 - 4024 | 6 | Dolomite, gray, granular; with larger amount of green shale and gray to greenish siltstone |
| 4024 - 4035 | 11 | Shale, green; with small amount of white crystalline limestone and red oolitic hematite |
| 4035 - 4045 | 10 | Hematite, oolitic and calcareous; with much red and some green shale |
| 4045 - 4057 | 12 | Shale, green |
| ALBION SANDSTONE, ETC., 110+ FEET. | | |
| 4057 - 4076 | 19 | Sandstone, gray, fine, very hard, mostly quartz; some fragments contain much pyrite; samples also contain varying amounts of gray silty shale which is apparently interbedded with the sandstone; there are a few calcareous fossil shell fragments which are probably from some limestone above |
| 4076 - 4081 | 5 | No sample |
| 4081 - 4141 | 60 | Shale, gray to slightly greenish; with considerable amount of gray calcareous siltstone, and a little granular dolomitic limestone |
| 4141 - 4167 | 26 | Shale, gray; with considerable amounts of light-gray, somewhat dolomitic limestone and greenish calcareous siltstone; there are a few fossil fragments, probably from the limestone |
| 4167 | | Total depth |

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Field No. Wayne 146

Gas Well

Wayne Quad.

Casing & Tubing

| | | | | |
|--------------------|-------------------------------------|------------|------|--|
| Company | The Chartiers Oil Co. | 13 Wood | 16 | 16 |
| Address | 808 Columbia Bldg., Pittsburgh, Pa. | 10 3/8" | 321 | 331 |
| Farm | H.S. Jackson Acres 176 | 8 1/2 24" | 1072 | 1072 |
| Location | Twelvepole Creek | 6 5/8 17" | 1868 | 1868 |
| Well No. | 1 (Drilled Deeper) Elev. 626 | 5 5/16 20" | 3254 | 3254 |
| District | Futler - Wayne County | 2 4 1/2" | 3682 | 3682 |
| Surface | Myrtle Ketchum | | | |
| Mineral | Myrtle Ketchum | | | |
| Drilling commenced | 10/11/24 D.D. 9/26/38 '38 | | | |
| Drilling completed | 11/26/24 D.D. 11/21/38 | | | |
| Date Acidized | 12/4/38 | | | |
| Depth of Acid | Niagra Lime | | | |
| Volume | 25,000 | | | |
| Rock Pressure | 740 lbs. 9 Hrs | | | |
| Salt Water | 715' - 765' | | | |
| | | | | Packer - Comb. Wall Anchor Size 5-3/16x2" Depth Set 3617 |
| | | | | 5-3/16 Casing Cemented 10/27/38 |

Formation Color ^{Har} Top Base Result Formation Color ^{Har} Top Base Result

| | | RECORD OF WELL COMPLETED AS OF NOVEMBER 26, 1934 | | | |
|--|---------------|--|------|-------------------------|--|
| Sand | | 360 | 330 | | |
| Salt Sand | | 440 | 700 | Break | |
| Slate | | 700 | 705 | Water | |
| Salt Sand | | 705 | 850 | | |
| Little Lime | | 1037 | 1052 | | |
| Pencil Cave | | 1052 | 1054 | | |
| Big Lime | | 1054 | 1206 | Gas | |
| Keener Sand | | 1206 | 1214 | | |
| Big Sanjun | | 1232 | 1350 | | |
| Sand | Gray | 1350 | 1370 | Water | |
| Slate | | 1370 | 1835 | | |
| Berea Grit | Blue-Gray | H 1835 | 1848 | Gas 1836 | |
| Sand | | S 1848 | 1851 | | |
| Sand | Hard & Broken | 1851 | 1876 | | |
| Sand | L.Gr. | 1876 | 1880 | Gas & Oil | |
| Slate & Slate | Broken | 1880 | 1887 | | |
| WELL DRILLED DEEPER - COMPLETED NOVEMBER 21, 1938 | | | | | |
| Shale | Black | S 1887 | 2000 | | |
| " | Grey | S 2000 | 2058 | | |
| " | Brown | " 2058 | 2110 | | |
| " | White | " 2110 | 2390 | | |
| " | Brown | " 2390 | 2695 | Little Gas | |
| Shale | Grey | S 2695 | 2900 | | |
| " | Brown | " 2900 | 2940 | Poison Gas 3165-3170 | |
| Shale | | " 2940 | 3712 | Gas 3652 | |
| Shale | Grey | " 3712 | 3810 | Sulphur Water 3835-3940 | |
| Red Rock | | " 3810 | 3855 | | |
| Shale | Grey | " 3855 | 3920 | | |
| " | Green | " 3920 | 3990 | | |
| Lime Shells | | " 3990 | 4004 | | |
| Shale | Blue | " 4004 | 4040 | | |
| Red Rock | | " 4040 | 4059 | | |
| Winton Sd. | | 4059 | | Steel Line Measurement | |
| " | Grey | H 4059 | 4064 | | |
| " | " | " 4064 | 4073 | | |
| " | Dr.Gr. | " 4073 | 4082 | | |
| Shale | White | Med 4082 | 4167 | Bottom of Hole | |
| NOVEMBER 22, 1938, WELL PLUGGED BACK TO NIAGARA LIME | | | | | |
| <p>Hole bridged at 4080' and filled with clay, sand and rock to 4000'</p> <p>Male and female wood plug set at 4060' to 4057'. Filled from 4057' to 4035' with cement, sand rock and clay.</p> <p>Niagara Lime bottom 3712'. Hole bridged at 3720' and filled with sand rock and clay to 3700'.</p> <p>Male and female wood plug set at 3705' to 3702'. Filled with cement, sand rock, and clay from 3702' to 3690'. Total depth of well after plugging back, 3690'. Work at well not complete and contemplated</p> | | | | | |