

S. W. Stout No. 7056 Well

South West District, Doddridge County, W. Va.

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

Located 2.27 mi. W. of 80°45' and 0.3 mi. S. of 39°10' ~~20~~ Holbrook

Quadrangle; 1.0 mi. E. of Camp Run School and 1.5 mi. N. W. of Grove

Elevation, 1163 L.

Permit, Dod-100

Drilling deeper, starting at 1693', commenced May 24, 1939; completed July 19, 1939.

Gas well, volume 342,000 cu. ft. per day.

Rock pressure, 50 lbs. in 24 hours.

No water recorded.

10" casing, 465' (pulled); 8 1/4", 1011'; 5-3/16", 1699'; 3" tubing, 1693' (Pulled).

Although the gas production is reported as coming from the Big Injun Sand, it is actually from a dolomitic and calcareous sandstone included in the Greenbrier Limestone, and the true Big Injun Sand.

Top Bottom Thickness

Pottsville Formation, 178⁵+ feet

1603	1631	28	Siltstone, dark-gray, shaly; some thin streaks of light-gray, very fine sandstone
1631	1665	34	Siltstone and shale, medium-to dark-gray, with siderite spherulites and concretions
1665	1723	58	Sandstone, light-gray to nearly white, medium-grained; contains a little mica, chlorite and kaolin; considerable siderite, 1711 to 1714'
1723	1742	19	Siltstone and shale, black; samples also contain much sand, perhaps mostly from above
1742	1778	36	Shale, gray, silty, with many siderite spherulites
<u>Mauch Chunk Group, 80 feet</u>			
1778	1792	14	Shale, gray and green, with streaks of greenish, clayey sandstone
1792	1830	38 ⁸	Limestone, dark brownish-gray, fossiliferous ("Little Line") Thickness probably somewhat less than this, bottom may be near 1820
1830	1858	28	Sandstone, white and gray, very fine, mostly calcareous; top 10 feet contains some gray and green shale suggesting the "Pencil Cave" and there is some gray shale in the remaining samples

Top Bottom Thickness

137

Greenbrier Limestone, 165 feet

1958	1904	46 28	Limestone, medium-to light-gray, mostly somewhat brownish; near the top there are some round objects which may be oolites
1904	1916	12	Limestone, dark brownish-gray
1916	1920	4	Limestone, gray, very sandy
1920	1926	6	Limestone, gray, sandy, somewhat dolomitic; has a very fine granular texture not shown by any of the limestone above
1926	1942	16	Sandstone, nearly white, fine, slightly calcareous
1942	1946	4	Shale, gray, sandy
1946	1960	14	Sandstone, very light gray to slightly yellow, fine, calcareous; the rather abundant carbonate cement is partly dolomite
1960	1982	22	Sandstone, white, dolomitic, medium-grained; sand is poorly sorted with larger grains rounded and etched or frosted and smaller ones clear and angular; contains a few small glauconite grains (gas, 1967-1975)
1982	1995	13	Sandstone, very light grayish-yellow, dolomitic; similar to interval above but there is some calcite as well as dolomite, especially in sample from 1982 to 1985 which contains a few oolites (gas, 1982-1987)

Pocono Formation, 50+ feet

1995	2001	6	Shale, gray
2001	2005	4	Shale, gray, silty, with about 20% of bright-red
2005	2009	4	Sample missing
2009	2030	21	Siltstone, greenish-gray; with streaks of gray shale
2030	2035	5	Sandstone, light-gray, very fine
2035	2045	10	Shale and siltstone, gray
	2045		Total depth