

A. A. Cain Heirs No. 3 (1544) Well

Center District, Gilmer County, W. Va.

By Carnegie Natural Gas Company, Pittsburgh, Pa.

Located 2.45 mi. W. of 80°55' and 2.04 mi. S. of 38°50' -SW- Glenville Quadrangle;

1.7 mi. N. of Shock and 2.8 mi. S.W. of Orton.

Elevation, 1110' L.

Permit, Gil-452.

Drilling commenced Sept. 6, 1940; completed Feb. 22, 1941.

Gas well; volume 84,000 cu. ft.; rock pressure 136 lbs. in 2½ hrs.

10" casing, 140'; 8¼", 1017'; 5-3/16", 1998'; 3" tubing 1998'.

Fresh water at 200'; gas, 1295-1405'; 1506-1513'.

Samples examined from 1643 to 1826'.

Top	Bottom	Thickness	
<u>Pottsville Formation, 94+ feet</u>			
1643	1660	17	Sandstone, gray, fine, with carbonaceous streaks
1660	1690	30	Shale, dark-gray; siderite concretions, plant fossils and a little coal, 1683-1690'
1690	1705	15	Siltstone, gray, shaly
1705	1716	11	Sandstone, white, medium-grained
1716	1730	14	Sandstone, white, very coarse, nearly all quartz
1730	1737	7	Sandstone, white, fine
<u>Mauch Chunk Group, 86 feet</u>			
1737	1743	6	Dolomite, greenish-gray, very fine, shaly
1743	1748	5	Shale, gray and green, sandy, dolomitic, 50%; nearly white siltstone and sandstone, 30%; light-gray dolomite, 20%
1748	1752	4	Sandstone, white, fine, dolomitic, 50%; red and gray shale, 50%
1752	1765	13	Shale, red, soft
1765	1771	6	Shale, gray, soft; small amount of limestone
1771	1776	5	Shale, gray, soft, distinctly laminated, 60%; dark-brown limestone, 40%
1776	1795	19	Limestone, brown, fossiliferous ("Little Lime")
1795	1801	6	Shale, gray and green soft, 40%; white, very fine sandstone, 20%; brown to nearly white, partly sandy limestone, 40%
1801	1815	14	Sandstone, gray, very fine, partly calcareous; almost a siltstone

Top	Bottom	Thickness	
1815	1823	8	Shale, gray, soft, with fossil shells "Pencil Cave")
			<u>Greenbrier Limestone, 159 feet</u>
1823	1826	3	Limestone, brown
	1982		Base of Greenbrier
			<u>Pocono Formation, 16+ feet</u>
1982	1998	16	"Slate, dark soft"
	1998		Total depth