

Mauch Chunk #12, Well

Walton District, Roane County, W. Va.

By South Penn Natural Gas Company, Parkersburg, W. Va.

Located 4.53 mi. S. of 38°40' and 3.44 mi. W. of 81°20' - G - Walton Quadrangle.

Elevation 929.89' L.

Permit - Roa -428

Drilling commenced April 29, 1942; completed Aug. 4, 1942.

Shot Aug. 18, 1942, depth 1973 to 2000'.

Oil well, 10 bbls., first 24 hours; also 34,876 cu. ft. of gas.

Salt water 1475-1490'; 1535, hole full.

10" casing 206'; 8 1/2", 681'; 6 5/8", 1857'.

According to the geologic map the well starts about 330 feet below the Washington Coal horizon. Section based on samples from 145 to 2009', examined by J. H. C. Martens. Although no beds could be identified as being definitely characteristic of the Mauch Chunk, it is possible that the silty limestone from 1800 to 1820' and some of the overlying sandstone may belong to the Mauch Chunk.

Pennsylvanian, 1800+ feet

Top	Bottom	Thickness	
145	155	10	Siltstone, green, sandy
155	175	20	Shale, red and brown, soft
175	180	5	Shale, red and yellow
180	185	5	Shale, red, soft, 75%; green, sandy siltstone, 25%
185	190	5	Shale, green, silty
190	195	5	Sandstone, green, very fine, micaceous
195	205	10	Siltstone and shale, green
205	210	5	Shale, green, with siderite spherulites
210	230	20	Siltstone and shale, green, a little limestone, 215-230'
230	245	15	Sandstone, green, very fine
245	250	5	Sandstone, light-green, very fine
250	265	15	Siltstone, green, shaly; contains siderite and small limy concretions
265	270	5	Sandstone, light-green, very fine
270	275	5	Sandstone, white, medium-grained
275	280	5	Sandstone, white, coarse
280	290	10	Shale, red, soft, with limy concretions
290	310	20	Siltstone, green, sandy
310	320	10	Shale, red, with small limy concretions
320	325	5	Sandstone, green, very fine

Top	Bottom	Thickness	
325	335	10	Siltstone, green, very sandy
335	345	10	Shale, red, soft
345	350	5	Sandstone, light-green, very fine, micaceous
350	365	15	Siltstone, green, shaly, calcareous
365	375	10	Shale, red, with small limy concretions
375	390	15	Siltstone, green, micaceous
390	425	35	Shale, red and yellow, soft, with small limy concretions
425	445	20	Limestone, yellow and light-gray, 70%; red, yellow, and green shale, 30%
445	465	20	Sandstone, light-green, fine, calcareous
465	525	60	Shale, red
525	550	25	Shale, and siltstone, green, calcareous; also large amount of red shale cavings
550	580	30	Shale, red, soft
585	595	10	Shale, green, with limy concretions
595	600	5	Siltstone, green, micaceous
600	605	5	Shale, green
605	620	15	Shale, yellow, and red, soft, not distinctly laminated
620	625	5	Sandstone, light-green, fine
625	635	10	Sandstone, white, medium-grained
635	665	30	Shale and siltstone, green, with siderite spherulites
665	675	10	Sandstone, white to slightly greenish, fine to medium-grained
675	685	10	Siltstone, grayish-green, micaceous
685	690	5	Clay, light-gray, 60%; very light green, sandy, micaceous siltstone, 40%
690	695	5	Siltstone, light-green, sandy, micaceous
695	710	15	Sandstone, white to slightly greenish, fine; contains mica and chlorite
710	740	30	Sandstone, white, medium-grained
740	760	20	Shale, dark-gray, 60%; light-gray, fine to very fine, sandstone, 40%
760	765	5	Shale, gray, with siderite concretions
765	820	55	Sandstone, white, medium-grained
820	830	10	Sandstone, light-gray fine, with some darker gray shaly, micaceous sandstone
830	840	10	Shale, dark-gray, silty, with a little coal

Top	Bottom	Thickness	
940	850	10	Sandstone, white, fine, nearly all quartz; also a little coal and black shale
850	880	30	Sandstone, white, medium-grained
880	935	55	Sandstone, very light gray to white, fine- to medium-grained
935	945	10	Sandstone, white, medium-grained, 70%; gray micaceous siltstone and shaly sandstone, 30%
945	970	25	Sandstone, white, medium-grained; a little coal, 960-970'
970	1000	30	Sandstone, light-gray, very fine, partly shaly
1000	1015	15	Coal, black, 30%; gray to black shale, 70%
1015	1020	5	Shale, gray and light-brown, mostly silty
1020	1030	10	Sandstone, light-gray, very fine, with some gray shale and siltstone
1030	1090	60	Sandstone, white to slightly greenish, fine- to medium-grained; contains mica, chlorite, siderite, and carbonaceous matter
1090	1105	15	Shale, gray, micaceous, silty
1105	1120	15	Siltstone and silty shale, gray to dark-gray
1120	1130	10	Sandstone, light-gray, very fine, 60%; gray shale and siltstone, 40%
1130	1160	30	Shale, gray silty
1160	1180	20	Sandstone, gray, very fine, shaly and carbonaceous
1180	1190	10	Sandstone, nearly white, fine
1190	1200	10	Shale, dark-gray
1200	1220	20	Sandstone, nearly white, fine; contains mica, chlorite, siderite, and carbonaceous matter
1220	1230	10	Shale, black, with some coal
1230	1250	20	Siltstone, nearly white, shaly and sandy
1250	1290	40	Sandstone, light-gray to nearly white, fine
1290	1350	60	Sandstone, gray, fine to very fine, shaly and carbonaceous
1350	1380	30	Siltstone, gray, shaly
1380	1430	50	Shale and siltstone, gray to dark-gray
1430	1470	40	Sandstone, white, fine to medium-grained
1470	1520	50	Sandstone, white, coarse, nearly all quartz; crystal faces on many grains (salt water 1475-1490')

Top	Bottom	Thickness	
1550	1550	30	Sandstone, white, fine-to medium-grained, nearly all quartz; crystal faces on many grains
1550	1560	10	Sandstone, white, coarse, nearly all quartz;
1560	1720	160	Sandstone, white, fine to coarse with crystal faces on many grains; all of the interval 1470-1720' like this except for variations in texture
1720	1750	30	Sandstone, very light-brown, coarse and pebbly
1750	1770	20	Sandstone, white, coarse, nearly all quartz; crystal faces on many grains
1770	1800	30	Sandstone, white, fine
			<u>Greenbrier Limestone, 168 feet</u>
1800	1820	20	Limestone, gray, very silty
1820	1880	60	Limestone, very light-brown
1880	1900	20	Limestone, very light brown, partly sandy
1900	1920	20	Limestone, very light brown, oolitic and very sandy
1920	1930	10	Limestone, light-brown to white, with some indistinct oolites
1930	1960	30	Limestone, white to very light brown
1960	1968	8	Limestone, white, sandy, dolomitic
			<u>Pocono Formation, 41+ feet</u>
1968	2006	40	Sandstone, very light grayish-green, fine to very fine; has many yellowish-brown specks probably due to siderite (gas at 1975'8"; oil pay 1975'8" - 2006')
2006	2009	1	Shale, gray
	2009		Total depth