

Poca Coal Land Company No. 1 (917) Well

Poca District, Kanawha County, W. Va.

By Godfrey L. Cabot, Inc., 600 Union Building, Charleston, W. Va.

Located 0.57 mi. W. of 81°40' and 2.26 mi. S. of 38°35' -SW- Kenna Quadrangle;
on E. side of right fork of Derrick Creek, 3 mi. W.N.W. of Sissonville.

Elevation, 1063' L.

Permit Kan-463.

Drilling commenced Aug. 17, 1938; completed, Sept. 27, 1939.

Gas well; volume 3,350,000 cu. ft. per day after acidizing; rock pressure, 600 lbs.
in 60 hours.

13" casing, 796'; 10", 2023'; 5" tubing, 2134'; 3" hook wall packer set at 2029'.

The elevation of the Waynesburg coal as shown on the geologic map of Kanawha County
is about 960' making the thickness of the Dunkard Group 115 and the total
Pennsylvanian 1864'.

Top Bottom Thickness

Allegheny and Pottsville Formations, 710+ feet

1267	1273	6	Siltstone, gray, shaly, micaceous
1273	1283	10	Shale, gray; about half is nearly white and half dark spherulite
1283	1289	6	Siltstone, gray, shaly, micaceous; contains many siderite ^
1289	1296	7	Shale, light-gray; contains many siderite spherulites
1296	1303	7	Siltstone, gray, shaly, micaceous
1303	1317	14	Sandstone, gray, fine to very fine, shaly
1317	1326	9	Sandstone, gray, fine, 70%; black, highly carbonaceous shale, 30%
1326	1333	7	Siltstone, gray
1333	1343	10	Shale, gray
1343	1348	5	Siltstone, very dark gray, micaceous
1348	1359	11	Shale, light-gray, with siderite spherulites
1359	1388	29	Shale, dark-gray, mostly silty
1388	1394	6	Sandstone, light-gray, fine; contains mica, chlorite, and siderite
1394	1419	25	Siltstone and shale, gray
1419	1430	11	Siltstone, gray, shaly, micaceous
1430	1436	6	Siltstone, gray, calcareous

Top	Bottom	Thickness	
1436	1446	10	No sample (reported as blue slate)
1446	1451	5	Shale, gray; small amount of coal
1451	1463	12	Sandstone, light-gray, very fine; contains dark carbonaceous streaks
1463	1481	18	Sandstone, gray, very fine, silty and shaly
1481	1488	7	Sandstone, light-gray, fine
1488	1502	14	Shale, gray; some fine sandstone toward bottom
1502	1540	38	Sandstone, light-gray, medium- to fine-grained; contains mica, chlorite, siderite and carbonaceous matter
1540	1551	11	Sandstone, gray, very fine, shaly, micaceous
1551	1572	21	Sandstone, gray fine; 20% black shale between 1566 and 1572'
1572	1701	129	Sandstone, white, with small amounts of rust stain, fine- to medium-grained; contains high proportion of quartz throughout; a little gray and green shale, 1693 to 1701' (salt water, 1631', 2 bailers per hour; salt water, 1715', hole full)
1701	1921	220	Sandstone, white, medium- to coarse-grained, nearly all quartz; some grains have crystal faces
1921	1942	21	Shale, gray, with siderite concretions and spherulites; samples all contain large amounts of sand, perhaps mostly from above
1942	1977	35	Sandstone, white, nearly all quartz; medium-grained at top and coarse toward bottom
<u>Greenbrier Limestone, 157+ feet</u>			
1977	1998	21	Limestone, dark-gray, partly brownish, fossiliferous
1998	2045	47	Limestone, light-brown to nearly white (drillers' record gives "Little Lime", 1977-1993' and Pencil Cave 1993-1998' which would make the thickness of the Mauch Chunk 21, and the Greenbrier 134+ feet)
2045	2102	57	Limestone, very light grayish yellow, oolitic; oolites are distinct and abundant; mostly somewhat sandy
2102	2134	32	Limestone, light grayish yellow to nearly white, with a few spots of green
	2134		Total depth