

G. G. Brennan No. 71 Well

Grant District, Hancock County, W. Va.

By R. J. Braden Co., Marietta, Ohio.

Located 3.43 mi. W. of 80°35' and 5.87 mi. S. of 40°40' -C- Kelleysville Quadrangle.

Elevation, 905.7' L.

Permit, Han-27.

Drilling commenced July, 1940; completed, August, 1940.

8 1/4" casing, 260'; 6-5/8", 620'; 2 x 6 flood packer set at 845'.

Oil well in Berea.

Samples from 55 to 862' examined by J. H. C. Martens.

According to the geologic map the well starts at about the Lower Freeport Coal horizon.

Top Bottom Thickness

Allegheny and Pottsville, 570+ feet

Top	Bottom	Thickness	
50	65	15	Siltstone, gray, shaly
65	100	35	Sandstone, light-gray, medium-grained
100	125	25	Shale, gray
125	135	10	Limestone, brown
135	148	13	Siltstone, gray, shaly, micaceous; contains siderite spherulites
148	175	27	Shale, dark-gray, to black
175	180	5	Sandstone, gray, fine, with siderite spherulites
180	260	80	Sandstone, nearly white, medium-grained; contains chlorite, muscovite, and kaolin; parts of it are slightly calcareous
260	285	25	Siltstone, gray, partly shaly; contains many siderite spherulites
285	310	25	Sandstone, gray, very fine, shaly; contains abundant mica, siderite and carbonaceous matter
310	320	10	Siltstone, dark-gray, shaly; contains siderite
320	325	5	Shale, dark-gray
325	350	25	Siltstone, gray; includes also some very fine sandstone
350	360	10	Shale, light-gray, partly silty; contains some siderite spherulites
360	370	10	Shale, gray, with siderite concretions
370	375	5	Coal, about 10%; gray shale and siltstone with siderite concretions, about 90%
375	390	15	Siltstone and shale, gray

Top	Bottom	Thickness	
390	400	10	Shale, dark-gray
400	409	9	Lim stone, black
409	425	16	Coal and black shale
425	447	22	Shale, gray, silty; contains siderite spherulites and concretions
447	465	18	Siltstone, gray, shaly; a little fine white sandstone near bottom
465	482	17	Sandstone, white and gray fine; also considerable amount of gray shale and fragments of siderite concretions
482	495	13	Shale, gray, silty
495	505	10	Siltstone, gray, shaly, micaceous
505	535	30	Sandstone, nearly white, fine, slightly calcareous
535	570	35	Shale, dark-gray to black, silty; also large amount of fine white sandstone and some fragments of siderite concretions, 535-555'
570	585	15	Shale, gray, soft, with fragments of plant fossils changed into coal; siderite spherulites in shale, 580-585'
585	594	9	Sandstone, light-gray, fine, 60%; gray shale as above, 40%
594	620	26	Sandstone, gray, very fine, 50%; gray siltstone, 50% fragments show every gradation from siltstone to sandstone; a few coarse quartz grains, 610-620'
<u>Pocoyo Formation, 242+ feet</u>			
620	655	35	Siltstone, gray; also a little gray shale and very fine sandstone
655	712	57	Siltstone and shale, gray
712	819	107	Siltstone, gray
819	845½	26½	Shale, dark-gray (Sunbury Shale)
845½	849½	4	Sandstone, light-gray, very fine (Berea Sandstone, 845½-862')
849½	856	6½	No sample
856	862	6	Sandstone, white, fine, mostly broken up into individual grains
	862		Total depth