

H. G. Hammet et. al. No. 2 (GW-463) Well

Grant Dist., Pleasants County, W. Va.

By Columbian Carbon Co., Box 1240, Charleston, W. Va.

Located 1.51 mi. W. of 81°15' and 3.75 mi. S. of 39°25' -EC- Marietta Quadrangle;  
on S. W. side of McElroys Run.

Elevation, 840.1' L.

Permit, Pleas-183.

Drilling commenced, Aug. 12, 1940; completed, Sept. 11, 1940.

10 $\frac{5}{8}$ " casing, 117'6"; 8-5/8", 520'1"; 7", 1575'10"; all pulled.

Salt water, 778-785'; hole full, 1527-1535'.

Dry hole, plugged and abandoned; well not shot.

The record ~~is~~ given is based upon a complete set of samples from the surface to a depth of 2841', with additional information from the drillers' record.

Top Bottom Thickness

Conemaugh, Allegheny, and Pottsville, 1035+ feet

0	10	10	Sand, brown, clayey
10	25	15	Clay, red, with limestone nodules
25	35	10	Limestone, light-gray and yellow; much pyrite, 30-35'
35	42	7	Shale, light-green, calcareous, partly silty
42	48	6	Clay, red, with limestone nodules
48	67	19	Sandstone, light-green, very fine, highly calcareous; contains streaks or nodules of limestone
67	78	11	Sandstone, light-green, very fine, slightly calcareous
78	87	9	Shale, gray, soft
87	93	6	Limestone, gray, fossiliferous
93	94	1	Coal
94	101	7	Siltstone, gray, shaly, micaceous
101	115	14	Clay, light-gray, soft; contains many small limestone nodules; a little coal, 101-108'
115	130	15	Limestone, yellow
130	155	25	Clay, red, gray, and yellow; some limestone throughout, at least part of it occurring as nodules in the clay
155	160	5	Limestone, yellow, 70%; light-gray siltstone, 30%

Top	Bottom	Thickness	
160	205	45	Siltstone, gray; contains great abundance of siderite spherulites; dark-gray, 165-187'
205	215	10	Limestone, light-brown, fossiliferous, 40%; soft green shale, 30%; gray siltstone, 30%; limestone contains fragments of crinoid stems and other marine fossils
215	231	16	Sandstone, light-gray to light-brown, very fine, micaceous, slightly calcareous
231	249	18	Siltstone, dark-gray, shaly, micaceous
249	263	14	Shale, very dark gray, silty, micaceous
263	270	7	Limestone, dark-gray, highly fossiliferous, 60%; black shale and impure coal, 20%; soft, light brownish gray clay, 20% ("coal blossom" reported at 267 to 268')
270	290	20	Clay and soft shale, light-brownish gray
290	354	64	Sandstone, white, medium-grained; contains small amounts of muscovite, biotite, chlorite, kaolin and siderite
354	380	26	Shale and siltstone, gray
380	430	50	Sandstone, white, medium-grained; contains small amount of mica, chlorite, and kaolin
430	431	1	Coal ("coal blossom" reported at this depth; only small amount of coal shows in sample)
431	457	26	Siltstone, gray, shaly, micaceous
457	465	8	Shale, gray
465	472	7	Limestone, light-brown, 70%; gray shale, siltstone and very fine sandstone, 30%
472	480	8	Sandstone, light-gray to brownish, fine, micaceous and calcareous, 70%; light-brown limestone, 30%
480	488	8	Shale, gray
488	496	8	Siltstone, gray
496	504	8	Shale, gray, silty
504	512	8	Siltstone, gray, micaceous
512	526	14	Sandstone, light-gray, fine to very fine; also some darker shale and siltstone
526	540	14	Shale, gray, with siderite spherulites
540	553	13	Siltstone, dark-gray, micaceous

Top	Bottom	Thickness	
553	554	1	Coal
554	561	7	Siltstone, gray, micaceous
561	592	31	Shale, gray, soft
592	601	9	Sandstone, light-brown, very fine
601	620	19	Shale, gray, very silty; contains siderite spherulites
620	638	18	Shale, gray and brown; also some gray siltstone and a little coal and black shale
638	659	21	Siltstone, gray, shaly, micaceous
659	660	1	Coal (amount of coal in sample suggests thickness greater than the one foot reported)
660	674	14	Sandstone, light-gray, fine, calcareous
674	682	8	Shale, gray to black
682	690	8	Sandstone, gray, very fine
690	710	20	Siltstone, gray, shaly, micaceous
710	735	25	Sandstone, light-brown, medium-grained; moderately calcareous near top and less so toward bottom
735	746	11	Shale, black, silty
746	788	42	Sandstone, light-gray to nearly white, medium-grained (salt water, 778-785')
788	795	7	Sandstone, white, medium-grained, 80%; black carbonaceous shale, 20%
795	801	6	Sandstone, gray, fine, 60%; black shale and siltstone, 40%
801	820	19	Shale, gray
820	880	60	Sandstone, light-gray, fine to very fine, shaly; contains black carbonaceous streaks
880	958	78	Sandstone, white with a little brown stain, medium-grained
958	968	10	Sandstone, gray, very fine, shaly, micaceous
968	995	27	Sandstone, white to gray, medium- to fine-grained, 80%; dark-gray shale and siltstone, 20%
995	1015	20	Sandstone, white, medium-grained, nearly all quartz
1015	1025	10	Shale, gray, very silty
1025	1035	10	Shale, gray, soft, with fragmentary plant fossils, 80%; medium-grained white sandstone, 20% (perhaps sand fallen in from above)

Top Bottom Thickness

Greenbrier Limestone, 9 feet

1035 1044 9 Limestone, very light-brown, sandy, indistinctly oolitic; contains a very few bright-green grains and a little yellow sphalerite

Poccano Formation, 499 feet

1044 1049 5 Siltstone, gray

1049 1065 16 Sandstone, light-gray to white, medium-grained, poorly sorted

1065 1080 15 Shale, gray, sandy

1080 1107 27 Sandstone, white, fine

1107 1199 92 Shale, gray; contains thin streaks of siltstone and very fine sandstone, but interval as a whole is about 80% shale

1199 1472 273 Shale and siltstone, gray; average composition is estimated at about 70% shale and 30% siltstone; not sharply separated from the interval above

1472 1497 25 Shale, dark-gray, with some silty streaks; seems to grade into the lighter gray shale above

1497 1512 15 Shale, very dark-gray (Sumbury Shale; top may be at 1472' or a little higher)

1512 1543 31 Sandstone, white, fine; contains large proportion of pyrite at top; a few fossil shell fragments, 1512-1522' (according to drillers' record base of Berea is at 1548' but last of sand is in sample labelled 1540-1547' and this is about half siltstone; show of oil, 1517-1525')

Devonian Shales, etc., 1387+ feet

1543 1600 57 Siltstone, grayish-green, mostly shaly; contains a few fossil shell fragments, 1581-1600'

1600 1615 15 Siltstone, gray, 70%; light-brown siltstone, 30% (possibly the brown here and in some places below may be due to drying of samples at too high temperature)

1615 1641 26 Siltstone, gray, shaly

1641 1653 12 Sandstone, light-brown, very fine; almost a siltstone

1653 1760 117 Siltstone, gray to grayish-green, shaly, individual fragments vary in texture from very fine sandstone to silty shale

Top	Bottom	Thickness	
1760	1776	16	Siltstone, gray, 70%; light-brown siltstone and very fine sandstone
1776	1784	8	Siltstone, light-brown
1784	1839	55	Siltstone, gray to grayish-green, shaly
1839	1935	96	Siltstone, gray to grayish-green, 60%; gray shale, 40%; some light-brown siltstone toward bottom of interval
1935	1968	33	Siltstone, brown and gray; contains a few fossil shell fragments
1968	2075	107	Siltstone, gray to grayish-green, shaly
2075	2392	317	Siltstone, gray to grayish-green, 70%; gray shale, 30%; siltstone contains some fossil shells, 2075-2160'; more shaly toward bottom of interval (show of gas, 2290 and 2319'; show of oil, 2341-2353')
2392	2841	449	Shale, gray, silty, mostly a little darker than shale and siltstones above, about 30% siltstone in most samples and more in some
	2930		Total depth