

Hatfield Campbell's Creek Coal Co. No. 1 (1041) Well

Pocatalico District, Putnam County, W. Va.

By Godfrey L. Cabot, Inc., Charleston, W. Va.

Located 4.57 mi. S. of 38° 35' and 3.26 mi. W. of 81° 45' -SE- Winfield  
1/4 Quadrangle.

Elevation, 594.76' L.

Permit Put-174

Drilling commenced May 26, 1942; completed Aug. 18, 1942.

Fresh water 142-155'.

Salt water, 490', 2 bailers per hour; 1240', 4 bailers per hour;  
1734', hole full.

26" casing, 20'; 16", 78'; 13", 526'; 10 3/4", 1494'; 8 5/8", 1795'.

Dry hole.

Section based on samples from 1283 to 4619' examined by J. H. C. Martens,  
omitting most of Devonian Shales. Survey also has samples  
from 55 to 1283'.

Pottsville Formation, 144+ feet

Top	Bottom	Thick- ness	Description
1283	1373	90	Sandstone, white, medium- to coarse-grained, nearly all quartz; crystal faces on many grains
1373	1378	5	Sandstone, white, coarse, 90%; black shale, 10%
1378	1422	44	Sandstone, white, medium- to coarse-grained, nearly all quartz; crystal faces on many grains
1422	1427	5	No sample

Mauch Chunk Group, 44 feet

1427	1433	6	Sandstone, light-gray, fine, 80%; soft grayish-green shale, 20%
1433	1437	4	Shale, grayish-green, 50%; fine, nearly white sandstone, 50%
1437	1442	5	Shale, grayish-green, dolomitic
1442	1444	2	Shale, grayish-green, dolomitic, 50%; white, medium-grained sandstone, 50%
1444	1446	2	Dolomite, light-red

Top.	Bottom.	Thick- ness.	
1446	1450	4	No sample
1450	1454	4	Shale and siltstone, gray to greenish, not laminated
1454	1462	8	Sandstone, white, fine
1462	1466	4	Shale, gray, thinly laminated, 60%; white, fine sandstone, 40%
1466	1471	5	Shale, gray, thinly laminated and closely jointed (Pencil Cave)

Greenbrier Limestone, 198 feet

1471	1476	5	No sample; top of Big Lime at 1471 in driller's record
1476	1478	2	Lime, brownish-gray, fossiliferous; also much thinly laminated shale
1478	1494	16	Limestone, light brown and gray, fossiliferous
1494	1512	18	No sample
1512	1522	10	Limestone, very light-brown, with indistinct oolites
1522	1530	8	No sample
1530	1544	14	Limestone, very light brown
1544	1550	6	No sample
1550	1563	13	Limestone, very light brown
1563	1572	9	Limestone, very light brown, oolitic and porous
1572	1580	8	Limestone, nearly white, oolitic
1580	1585	5	No sample
1585	1592	7	Limestone, nearly white, oolitic
1592	1602	10	Limestone, very light brown, with a few pieces of green shale
1602	1609	7	No sample
1609	1616	7	Limestone, very light brown, oolitic and sandy
1616	1644	28	No sample
1644	1654	10	Limestone, very light brown, partly dolomitic
1654	1662	8	Limestone, very light brown, sandy; contains some small oolites
1662	1669	7	Limestone, nearly white, highly dolomitic
1669			Bottom of Big Lime in driller's record

Pocono Formation, 511 feet

Top.	Bottom.	Thick- ness.	
1669	1716	47	No sample
1716	1722	6	Sandstone, white, fine, with a few coarse grains
1722	1741	19	No sample
1741	1767	26	Sandstone, light-gray, fine, 70%; dark-gray shale, 30%
1767	1775	8	No sample
1775	1800	25	Shale, gray, very silty, 70%; light-gray, very fine sandstone, 30%
1800	1807	7	Shale, gray, silty
1807	1829	22	No sample
1829	1852	23	Shale, gray, silty, 60%; light-gray siltstone and very fine sandstone, 40%
1852	1909	57	Siltstone, light-gray, coarse; samples contain a little darker silty shale and probably <del>some very fine sandstone</del> some very fine sandstone
1909	2104	195	Samples not described
2104	2160	56	Shale and siltstone, gray
2160	2170	10	Shale, black (Sunbury Shale)
2170	2175	5	Sandstone, nearly white, very fine, 50%; black shale, 50% (Berea Sandstone)
2175	2180	5	No sample

Devonian Shales, 2242 feet

2180	2204	24	Shale and siltstone, gray
2204	4422	2218	Samples not described

Huntersville Chert, 145 feet.

4422	4567	145	Chert and cherty limestone, brown (Samples not complete; top and bottom from driller's record)
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Oriskany Sandstone, 42 feet

4567	4609	42	No samples; Oriskany is at 4567-4613' in driller's record, but bottom is certainly above 4613'
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Helderberg Limestone, 10+ feet

4609	4619	10	Limestone, gray, cherty
4669			Total depth.