

Jackson County Bank No. 1 Well

Ravenswood District, Jackson County, W. Va.

By Joe Rubin et. al., Parkersburg, W. Va.

Located 3.84 mi. W. of 81°35' and 4.72 mi. S. of 39°00' -NC- Ripley Quadrangle.

Elevation, 615' L.

Permit, Jac-114.

Drilled in 1941.

Oriskany gas well.

According to geologic map the Pittsburgh Coal horizon should be at a depth of about 480 feet in this well.

Samples from 60 to 4950' except for the Devonian shale interval were examined by C. Apsouri, and original notes condensed somewhat by J. H. C. Martens

Top	Bottom	Thickness	
<u>Permian and Pennsylvanian, 1737+ feet</u>			
60	65	5	Clay, red and green, silty
65	75	10	Clay, red, 50%; green sandy siltstone, 50%
75	95	20	Shale, greenish, clayey
95	100	5	Siltstone, greenish-gray, 50%; gray and red clay and shale, 50%
100	105	5	Siltstone, green, clayey
105	135	30	Shale, red
135	140	5	Siltstone, green, clayey
140	145	5	Shale, red
145	160	15	Siltstone, green
160	165	5	Sandstone, white, fine- to medium-grained
165	170	5	Clay, light-gray, 50%; green, sandy siltstone, 50%
170	180	10	Sandstone, white, medium-grained
180	185	5	Clay, gray
185	190	5	Shale, light-gray, 60%; green siltstone, 40%
190	195	5	Siltstone, greenish
195	205	10	Shale, green and brown
205	210	5	Shale, red, 70%; white, fine, sandstone, 30%
210	230	20	Shale, red, 60%; green shale, 40%
230	245	15	Shale, red, 50%; green shale, 30%; green silty sandstone, 20%
245	250	5	Sandstone, white, medium-grained

Top	Bottom	Thickness	
250	255	5	Shale, red (also some sandstone; perhaps shale is cavings)
255	260	5	Sandstone, white, medium-grained
260	270	10	Shale, red
270	275	5	Shale, gray
275	280	5	Shale, red
280	290	10	Sandstone, white, medium-grained
290	300	10	Siltstone, light-gray, sandy
300	315	15	Shale, red, soft
315	320	5	Sandstone, greenish, very fine
320	335	15	Shale, red and gray
335	340	5	Shale, red
340	345	5	Siltstone, green, shaly and sandy
345	370	25	Sandstone, greenish, medium-grained micaceous
370	390	20	Shale, red
390	395	5	No sample
395	415	20	Siltstone, green, grading into fine sandstone toward bottom
415	420	5	Sandstone, fine, silty
420	425	5	Shale, greenish
425	465	40	Shale, red
465	470	5	Shale, very light gray, calcareous
470	480	10	Shale, red
480	490	10	Sandstone, greenish, silty
490	550	60	Sandstone, white, medium- to coarse-grained
550	555	5	Shale, green, silty
555	560	5	Shale, brown, soft
560	570	10	Shale, red
570	575	5	Shale, green
575	590	15	Clay, gray and green, with conchoidal fracture; a few spots of bright-red, 585-590'
590	605	15	Siltstone, greenish-gray, sandy, micaceous
605	612	7	Sandstone, white, fine, micaceous
612	620	8	Siltstone, greenish-gray
620	660	40	Sandstone, white, fine, silty
660	717	57	Shale, red and yellow

Top	Bottom	Thickness	
717	722	5	Sandstone, white, very fine
722	727	5	Sandstone, white, medium-grained
727	740	13	Shale, red, 40%; green shale, 40%; white sandstone, 20%
740	745	5	Shale, greenish
745	773	28	Shale, red and yellow
773	806	22	Sandstone, white, very fine; also red shale cavings
806	851	46	Shale, greenish
851	857	6	Shale, brownish
857	882	25	Shale, red
882	935	53	Shale, green
935	950	15	Sandstone, fine
950	955	5	Shale, green
955	960	5	Sandstone, green, very fine
960	965	5	Shale, dark-gray
965	970	5	Shale, very light gray, calcareous
970	975	5	Shale, brown
975	1008	33	Siltstone, green
1008	1087	79	Sandstone, white, medium- to coarse-grained
1087	1099	12	Shale, gray
1099	1157	58	Sandstone, white to greenish, very fine
1157	1175	19	Sandstone, white, coarse
1175	1181	6	Shale, gray
1181	1188	7	Shale, black and brown
1188	1215	27	Sandstone, white, very fine
1215	1230	15	Sandstone, white, medium-grained
1230	1238	8	Shale, gray
1238	1249	11	Sandstone, white, medium-grained
1249	1259	10	Shale, gray
1259	1278	19	Shale, very dark gray to black
1278	1289	11	No sample
1289	1327	38	Sandstone, white, medium- to coarse-grained
1327	1334	7	Sandstone, very fine, silty
1334	1345	11	Shale, dark-gray, silty

Top Bottom Thickness

1345	1350	5	Sandstone, white, medium-grained
1350	1365	15	Siltstone, dark-gray, sandy
1365	1417	52	Siltstone, gray to light-gray, sandy
1417	1435	18	Shale, gray
1435	1495	60	Sandstone, white, medium-grained
1495	1508	13	Sandstone, white, fine, micaceous
1508	1533	25	Shale, dark-gray
1533	1543	10	Siltstone, brown, very sandy
1543	1557	14	Sandstone, white, medium- to fine-grained
1557	1595	38	Shale, very dark gray
1595	1624	29	Sandstone, white, very fine
1624	1641	17	Sandstone, white, fine, with crystal faces
1641	1675	34	Sandstone, white, coarse
1675	1688	13	Sandstone, white, very coarse
1688	1708	20	Shale, black
1708	1723	15	Sandstone, gray to brownish, shaly
1727	1737	10	Sandstone, white, medium- to coarse-grained

Greenbrier Limestone, 86 feet

1737	1748	11	Limestone, white, with a few oolites
1748	1769	21	Limestone, white to brownish
1769	1794	25	Limestone, white, containing some oolites
1794	1811	17	Limestone, very light brown, dolomitic
1811	1823	12	Limestone, very light brown, dolomitic, slightly sandy

Pocahontas Formation, 495 feet

1823	1829	6	Sandstone, light-green, very fine
1829	1834	5	Sandstone, white, very coarse
1834	1839	5	Sandstone, white, fine, containing some siderite
1839	1879	40	Sandstone, white, coarse
1879	1922	43	Sandstone, white, medium- to coarse-grained
1922	1955	33	Sandstone, white, medium-grained; a little dark-gray siltstone, 1922-1928'
1955	1979	24	Siltstone and silty shale, dark-gray

Top	Bottom	Thickness	
1979	1985	6	Sandstone, white, very fine
1985	2257	272	Siltstone, gray; also some shale and very fine sandstone
2257	2303	44	Shale, very dark gray (Sunbury Shale)
2303	2308	5	Sandstone, white, very fine, pyritic (thickness and position estimated from samples which is about 80% shale)
	2318		Assumed base of Pocono obtained by carrying upward a plus depth correction of 10 ft. based on steel line measurement of 2328' corresponding to derrick line measurement of 2328'
<u>Devonian Shales, 2479 feet</u>			
2318	4797	2469	Samples not described
<u>Huntersville Chert, 114 feet</u>			
4797	4911	114	Chert and cherty limestone, gray to brown; variations in individual samples not described in detail
<u>Oriskany Sandstone, 39+ feet</u>			
4911	4920	9	Sandstone, white, medium-grained
4920	4941	21	Sandstone, white, fine- to medium-grained
4941	4945	4	Sandstone, white, very fine
4945	4950	5	Sandstone, white, fine- to medium-grained
	4950		Total depth

4797
615.
4182