

Os. C. and W. H. Hutchinson No. 1 Well

Salt Lick District, Braxton County, W. Va.

By A. D. Frunty, Box 365, Parkersburg, W. Va.

Located 3.0 mi. W. of 80°35' and 0.44 mi. S. of 38°45' -NC- Sutton Quadrangle.

Elevation 1008' L.

Permit, (Brax-131)

Drilling commenced March 17, 1941; completed April 30, 1941.

Fresh water at 18'.

No coal recorded.

10" casing, 205'; 8 1/2", 1001'; 6-5/8", 1579'.

Section based on samples from 175 to 2400' described by C. Apseri.

Description condensed somewhat by J. H. C. Martens. The samples apparently start in the lower part of the Genesee, but no definite stratigraphic horizons could be recognized in the Pennsylvanian.

Top	Bottom	Thickness	
<u>Genesee, Allegheny, and Pottsville, 1414+ feet</u>			
175	185	10	Sandstone, white, medium-grained
185	188	3	Sandstone, brown, medium-grained
188	230	42	Sandstone, white, medium- to coarse-grained
230	295	65	Sandstone, white, medium- to coarse-grained, 70%; light-brown shale, 30%
295	300	5	Shale, light-gray
300	355	55	Shale and siltstone, gray
355	365	10	Shale and siltstone, gray, 80%; coal, 20%
365	387	22	Shale, light-brown, disintegrating in water
387	400	13	Sandstone, white, very fine
400	435	35	Sandstone, white, medium- to coarse-grained
435	442	7	Siltstone, gray, shaly, with siderite spherulites
442	465	23	Sandstone, white, medium- to coarse-grained
465	475	10	Shale, dark-gray
475	485	10	Sandstone, white, very fine, micaceous
485	505	20	Siltstone, dark-gray, shaly, 60%; nearly white shale with siderite spherulites

Top	Bottom	Thickness	
505	510	5	Shale, nearly white, with siderite spherulites
510	550	40	Sandstone, white, fine
550	560	10	Shale, gray
560	570	10	Sandstone, white, very fine; also some gray shale
570	825	255	No samples
825	840	15	Sandstone, white, fine- to medium-grained
840	845	5	Shale, dark-gray
845	900	54	Shale, gray, silty
900	925	25	Shale, dark-gray
925	945	20	Siltstone, white, with siderite spherulites, 50%; gray, silty shale, 50%; trace of coal
945	979	34	Shale, gray
979	987	8	Siltstone, gray to white
987	1000	13	Sandstone, white, fine
1000	1040	40	Sandstone, white, medium-grained
1040	1058	18	Siltstone, white to gray
1058	1102	44	Shale, dark-gray
1102	1150	48	Shale, gray; samples also contain up to 40% of nearly white siltstone
1150	1160	10	Siltstone, light-brown, shaly
1160	1180	20	Sandstone, white, fine
1180	1231	51	Shale, gray, brown, and black
1231	1310	79	Sandstone, white, medium- to coarse-grained (samples from 1231-1414' examined also by J. H. G. Martens; do No indication of Mauch Chunk could be found above 1414')
1310	1317	7	Sandstone, nearly white, coarse, 50%; gray siltstone, 40%; brown siderite, 10%
1317	1324	7	Sandstone, white, coarse
1324	1408	74	Sandstone, white to light-gray, fine to very fine; small amount of gray shaly siltstone
1408	1414	6	Sandstone, white, fine; a little coarser than that above

Top Bottom Thickness

Mauch Chunk Group, 141 feet

1414	1436	22	Shale, red, 50%; green shale, 50%
1436	1455	19	Shale, green
1455	1463	8	Shale, gray, 50%; green shale, 25%; red shale, 25%
1463	1470	7	Shale, red, 45%; green shale, 45%; gray shale, 10%
1470	1480	10	Shale, gray soft, thinly laminated
1480	1504	24	Limestone, brownish-gray, fossiliferous
1504	1516	12	Limestone, as above, 65%; very fine white sandstone, 25%; gray shale, 10%
1516	1528	12	Sandstone, white, very fine
1528	1547	19	Shale, green, soft, 70%; very fine white sandstone, 30%
1547	1555	8	Sandstone, white, very fine

Greenbrier Limestone, 120 feet

1555	1574	19	Limestone, brown, mostly oolitic
1574	1610	36	Limestone, brown to light-brown
1610	1638	28	Limestone, brown to nearly white, oolitic
1638	1648	10	Limestone, light-brown
1648	1650	2	Limestone, light-brown, oolitic and sandy
1650	1658	8	No samples
1658	1685	27	Limestone, nearly white, oolitic, sandy
1685	1695	10	Limestone, very light-brown, sandy, 60%; limestone, green, silty, dolomitic
1695	1710	15	Limestone, white
1710	1762	52	Limestone, light-brown to nearly white, partly dolomitic (show of gas at 1725')
1762	1775	13	Limestone, white, dolomitic and very sandy

Lower Mississippian and Upper Devonian, 625+ feet

1775	1798	23	Siltstone, light-green to greenish-gray
1798	1860	62	Shale, gray, silty
1860	1880	20	Shale and siltstone, gray
1880	1912	32	Siltstone, light-gray to light-green
1912	1920	8	Shale, gray, 75%; light-gray siltstone, 25%
1920	1926	6	Shale, light-gray

**Top Bottom Thickness**

1928	1933	7	Siltstone, light-gray, sandy
1933	2016	83	Shale, gray; mostly somewhat greenish
2016	2100	84	Siltstone and silty shale, light-gray to greenish; also some very fine sandstone
2100	2125	25	Shale, gray
2125	2134	9	Sandstone, white, very fine
2134	2140	6	Siltstone, white
2140	2198	58	Shale, gray
2198	2385	187	No samples
2385	2400	15	Shale, gray, 80%; greenish siltstone, 20%
	2400		Total depth

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