

C. E. Andricks No. 1 Well

Grant District, Jackson County, W. Va.

By Joe Rubin et. al., 1900-19th St., Parkersburg, W. Va.

Located 0.67 mi. W. of 81°35' and 2.08 mi. S. of 39°00' -NC- Ripley Quadrangle;
1.5 mi. NNE of Lockport.

Elevation, 645' L.

Permit, Jac-63.

Drilling commenced March 17, 1940; completed July 5, 1940.

Shot July 5, 1940 at 4999-5019',

Gas well in Oriskany; 103,000 cu. ft.; rock pressure 1100 lbs.

16" conductor, 21'; 14" casing, 542'; 10", 946'; 8-1/2", 1880'; 5-3/16", 4906'.

1 bailer of water at 115'; 5 bailers of water at 150'; 5 bailers of water at
512-518'; hole full of water, 1620-1625'.

Samples from 530 to 5100' examined by C. Apsouris; also in part by J. H. C. Martens.

According to the geologic map of Jackson County the Pittsburgh Coal horizon is at an elevation of about 160 feet at the locality of this well, which would put it at a depth of 485 feet in the well. This is above where the samples start. The thickness of only 72 feet for the Greenbrier in this well, as compared with 130 and 122 feet for the D. P. Curry and Harry Morrison wells respectively, which are less than three miles to the west, indicates uneven erosion at the top of the Greenbrier. The Andricks well also shows an eastward thinning of the Pocono amounting to 112 and 114 feet as compared with the two wells just mentioned. The thickness of Devonian Shales in the Andricks well appears to be abnormally great.

Top Bottom Thickness

Pennsylvanian, 1219+ feet

530	544	14	Sandstone, white, medium- to coarse-grained
544	570	26	Siltstone and silty shale, gray, micaceous
570	588	18	Shale, red and green, soft, calcareous
588	600	12	Sandstone, white, medium-grained, calcareous
600	630	30	Sandstone, white, coarse, slightly calcareous
630	637	7	Shale, gray
637	650	13	Sandstone, white, fine, calcareous
650	671	21	Siltstone, gray, shaly, micaceous

Top	Bottom	Thickness	
671	677	6	Shale, gray, calcareous
677	698	21	Clay and soft shale, red and yellow
698	704	6	Siltstone and shale, green
704	773	69	Shale, red and yellow, calcareous; also some green siltstone
773	786	12	Sandstone, white, fine, calcareous
786	791	6	Shale, red
791	830	39	Shale, red and green; also some gray and green siltstone
830	848	18	Clay, very light gray, calcareous
848	903	55	Clay and soft shale, red, yellow, and green
903	923	20	Siltstone, green
923	928	5	Shale, yellow and red, 60%; green siltstone, 40%
928	955	27	Samples missing
955	972	17	Shale and siltstone, green
972	982	10	Shale, green, silty, 70%; white limestone, 30%
982	1016	34	Siltstone and silty shale, green, micaceous; much clay cavings
1016	1023	7	Shale, green, sandy, micaceous, 70%; white limestone, 30%
1023	1032	9	Sandstone, white, medium-grained, calcareous
1032	1065	33	Sandstone, white, medium- to coarse-grained
1065	1107	42	Samples missing
1107	1114	7	Sandstone, white, fine- to medium-grained
1114	1124	10	Samples missing
1124	1145	21	Sandstone, white, fine
1145	1167	22	Siltstone, gray to dark-gray
1167	1177	10	Samples missing
1177	1182	5	Sandstone, white, fine
1182	1189	7	Siltstone, gray
1189	1219	23	Samples missing
1219	1227	8	Sandstone, white, very fine, shaly
1227	1236	9	Sandstone, white, medium-grained
1236	1254	18	Siltstone, white to gray, sandy
1254	1268	14	Shale, gray, sandy
1268	1283	25	Sandstone, white, fine-to medium-grained, shaly

Top	Bottom	Thickness	
1295	1320	27	Shale, black; sandy, 1312-1320'
1320	1390	70	Shale and siltstone, gray
1390	1422	32	Siltstone, gray to greenish
1422	1440	18	Siltstone, light-gray, sandy
1440	1471	31	Sandstone, white, very fine
1471	1488	17	Siltstone, light-gray, sandy
1488	1505	17	Sandstone, very fine, with siderite spherulites
1505	1530	25	Siltstone, gray, with siderite spherulites, 60%; very fine sandstone, 40%
1530	1557	27	Shale, brown
1557	1587	30	Shale, black, silty
1587	1600	13	Siltstone, brown and black, sandy
1600	1607	7	Sandstone, white, fine, shaly
1607	1759	152	Sandstone, white, fine to coarse (hole full of water, 1620-1625')
<u>Greenbrier Limestone, 72 feet</u>			
1759	1764	5	Dolomite, nearly white
1764	1775	11	Limestone, nearly white, oolitic
1775	1791	16	Limestone, nearly white, very sandy; some oolites, 1785-1791'
1791	1796	5	Limestone, nearly white
1796	1820	24	Limestone, nearly white, dolomitic; some sand and oolites, 1798-1802'
1820	1831	11	Sandstone, white, very fine, calcareous and dolomitic
<u>Pocono Formation, 351 feet</u>			
1831	1843	12	Sandstone, light-gray, fine to coarse; contains some very coarse sand grains and quartz pebbles and finer material which is almost a siltstone
1843	1853	10	Sandstone, white medium-grained; some coarse grains
1853	1867	34	Sandstone, white, fine to coarse; larger grains are rounded
1867	1894	7	Siltstone, gray to greenish
1894	1932	38	Sandstone, yellowish-gray, very fine, silty, shaly, and dolomitic

Top Bottom Thickness

1932	2122	90	Siltstone, gray to greenish, silty and sandy
2122	2152	30	Shale, gray
2152	2180	28	Shale, dark-gray to very dark gray (Sumbury Shale)
2180	2182	2	Sandstone, light-gray, fine (Berea Sandstone; driller's record gives Berea at 2170-2175')

Devonian Shales, 2879 feet

2182	2259	77	Siltstone, light-gray
2259	2272	13	Siltstone, gray, 80%; dark-gray shale, 20%
2272	2470	198	Siltstone and silty shale, gray to greenish-gray
2470	2608	138	Shale, gray, mostly silty
2608	2628	20	Shale, gray, 60%; light-gray, sandy siltstone, 40%
2628	3036	408	Shale, gray, mostly silty
3036	3057	21	Siltstone, gray to brownish
3057	3451	394	Shale, gray to light-gray
3451	3512	61	Shale, gray, 80%; very dark gray or brown shale, 20%
3512	3598	86	Shale, very dark gray or brown
3598	3745	147	Shale, gray, 75%; very dark gray or brown shale, 25%
3745	3848	103	Shale, gray; about 15% of very dark shale, 3765-3848'
3848	3895	47	Shale very dark gray or brown, 70%; gray shale, 30%
3895	3972	77	Shale, gray, 80 to 60%; very dark gray or brown shale, 20 to 40%
3972	4020	48	Shale, gray, 50%; very dark gray or brown shale, 50%
4020	4044	24	Shale, very dark gray or brown
4044	4130	86	Shale, gray
4130	4143	13	Shale, gray to dark-gray
4143	4162	19	Shale, gray
4162	4208	46	Shale, gray, 60%; very dark gray or brown shale, 40%
4208	4278	70	Shale, gray
4278	4310	32	Shale, gray, 50%; very dark gray or brown shale, 50%
4310	4391	81	Shale, gray
4391	4423	32	Shale, very dark gray or brown, 50%; gray silty shale, 50%
4423	4571	148	Shale, gray; up to 15% of very dark gray and brown shale
4571	4673	102	Shale, gray to very dark gray; increasing amounts of dark shale toward bottom of interval

Top	Bottom	Thickness	
4673	4879	206	Shale, very dark gray and brown
			<u>Huntersville Chert, 118 feet</u>
4879	4996	117	Limestone, brown, very cherty (depth correction from 4855 to 4887' carried back to top of Huntersville Chert)
4996	4997	1	Limestone, brown, cherty and glauconitic
			<u>Oriskany Sandstone, 69 feet</u>
4997	5066	69	Sandstone, white, fine- to medium-grained (gas pay 5017-5020')
			<u>Helderberg Group, 34+ feet</u>
5066	5070	4	Sandstone, brownish, highly calcareous, cherty
5070	5074	4	Limestone, brown, cherty, partly sandy
5074	5096	22	Sandstone, white to brownish, highly calcareous, cherty
5096	5100	4	Limestone, brown, cherty
	5100		Total depth

4879
645
#234