

S. T. Wright No. 2 (8531) Well

Union District, Ritchie County, W. Va.

By Hope Natural Gas Company

Located 1.51 mi. W. of 80°55' and 1.4 mi. S. of 39°06' - SW - Holbrook

Quadrangle.

Elevation 1041' L.

Permit Rit - 876

Drilling commenced, April 30, 1941; completed, May 27, 1941.

Gas well; 896,000 cu. ft

Rock pressure 625 lbs. in 24 hrs.

10" casing, 370'; 8 1/2", 1092'.

No coal and no water recorded.

Section based on samples from 0 to 1375', examined by C. N. Apsouri. The presence of several red shales which caved badly made the samples from the upper half of this well somewhat difficult to interpret and the driller's record is not detailed enough to be of much help. The Greenbrier Limestone was penetrated to a depth of about 20 feet, although the driller's record gives no indication that it was reached.

Permian and Pennsylvanian, 1355 feet

Top	Bottom	Thickness	
0	40	40	Shale, light grayish green, silty, 80%; red shale, 20%; small limestone concretions in both shales; some very fine green sandstone in bottom ten feet
40	70	30	Sandstone, green, very fine, micaceous, 50%; red shale, 50%
70	110	40	Shale, red, with limy concretions
110	120	10	Shale, red and green, soft
120	130	10	Shale, green
130	140	10	Sandstone, white, medium-grained
140	200	60	Siltstone and shale, green
200	220	20	Siltstone, green, sandy, with many specks of siderite, 60%; white, very fine micaceous sandstone, 40%
220	250	30	Sandstone, white, fine- to medium-grained, with muscovite, biotite, chlorite, and siderite
250	260	10	Limestone, dark-gray, pyritic; also some coal
260	350	90	Shale, red and yellow, soft, clayey, mostly containing limy concretions

Top	Bottom	Thickness	
350	370	20	Siltstone, green, sandy
370	400	30	Shale, green, with limy concretions
400	417	17	Sandstone, green, very fine, grading into siltstone and shale, 50%; red shale, 50%; some limy concretions
417	448	31	Siltstone, green, sandy, micaceous, 50%; red shale with limy concretions, 50%
448	462	14	Siltstone, green, sandy, micaceous, 60%; red shale, 40%
462	469	7	Shale, red, with limy concretions
469	484	15	Shale, red, green, and gray, soft, clayey, calcareous
484	522	38	Shale, red, calcareous
522	538	16	Shale, red, and grayish-green, clayey, with limy concretions
538	546	8	Siltstone, green, sandy
546	552	6	Shale, green and gray
552	560	8	Sandstone, white, micaceous
560	575	15	Sandstone, white, micaceous, 60%; soft gray shale, 40%
575	590	15	Siltstone, green, sandy, micaceous
590	611	21	Siltstone, gray, shaly
611	637	26	Shale, red and yellow, with limy concretions
637	661	24	Siltstone, green, sandy
661	708	47	Shale, red, calcareous
708	752	44	Shale, red, yellow, and green, with limy concretions
752	760	8	Siltstone, green, shaly, 50%; soft red calcareous shale, 50%
760	768	8	Siltstone, green, sandy, 50%; green shale, 50%
768	776	8	Sandstone, green, very fine, 60%; very light green shale, 40%
776	806	30	Shale, red and yellow, with limy concretions
806	821	15	Shale, green
821	828	7	Shale, green, silty, 50%; soft red shale, 50%
828	852	24	Siltstone, green, shaly, 85%; limestone, 15%
852	860	8	Shale, green, with limy concretions
860	868	8	Siltstone, gray, shaly, 50%; soft gray and yellow shale, 50%
868	890	22	Shale, red, soft, with small limy concretions
890	927	37	Shale, green, 50%; soft red shale, with limy concre- tions, 50%

Top	Bottom	Thickness	
927	934	7	Shale, green, 50%; white, very fine sandstone, 50%
934	941	7	Shale and siltstone, green
941	949	8	Siltstone, green
949	956	7	Shale, green, 50%; red shale, 50%
956	972	16	Sandstone, white, fine, with mica, chlorite, and siderite
972	1002	30	Sandstone, white, medium-grained
1002	1010	8	Shale, light-gray
1010	1017	7	Shale, light-gray, soft, 65%; green shale and siltstone, 35%
1017	1030	13	Shale, very light gray, yellow, and red, with limy concretions; disintegrates when placed in water
1030	1038	8	Shale, green
1038	1045	7	Sandstone, white, very fine
1045	1059	14	Shale, gray, soft
1059	1065	6	Siltstone, green, sandy, micaceous
1065	1091	26	Shale, gray
1091	1100	9	Shale and siltstone, gray
1100	1115	15	Sandstone, white, medium-grained, with mica, chlorite and siderite
1115	1186	71	Sandstone, white, coarse (show gas, 1167-1168')
1186	1225	39	Shale and siltstone, gray
1225	1245	20	Sandstone, white, very fine, 60%; dark-gray, silty and carbonaceous shale, 40%
1245	1280	35	Sandstone, white, fine - to medium-grained
1280	1310	30	Shale, gray
1310	1320	10	Sandstone, white, very fine
1320	1380	60	Sandstone, white, medium-grained
1380	1390	10	Shale, gray, with some coal
1390	1400	10	Siltstone, light-brown, very sandy
1400	1425	25	Sandstone, white, fine
1425	1472	47	Shale, gray
1472	1490	18	Sandstone, white
1490	1500	10	No sample
1500	1510	10	Shale, light - and dark-gray
1510	1525	15	Sandstone, white, fine, with mica, chlorite, and siderite
1525	1580	25	Siltstone, very light-brown, 50%; gray shale, 50%

Top	Bottom	Thickness	
1550	1610	60	Sandstone, white, very fine (gas, 1584-1594')
1610	1620	10	Siltstone, light-brown
1620	1630	10	Shale, gray
1630	1640	10	Shale, gray, with a few fragments of coal
1640	1690	50	Siltstone, gray, sandy
1690	1720	30	Siltstone, light-brown, sandy
1720	1740	20	Sandstone, white, very fine
1740	1750	10	Sandstone, white, very fine, 85%; dark-gray shale, 15%
1750	1790	40	Shale, light-brown
1790	1800	10	Sandstone, white, very fine
1800	1810	10	Shale, very dark gray, 90%; coal, 10%
1810	1820	20	Sandstone, white, very fine, with siderite spherulites
1820	1855	25	Sandstone, white medium-grained
<u>Greenbrier Limestone, 20+ feet</u>			
1855	1857	2	Shale, gray, thinly laminated; falls to pieces when placed in water
1857	1868	11	Limestone, light-brown, fossiliferous
1868	1875	7	Limestone, light-brown, partly oolitic
	1875		Total depth by samples
	1882		Total depth by driller's record