

Ral-15

Rockhouse Fork Land Co., No. 2 (1029 Well)

Trap Hill District, Raleigh County, W. Va.

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

Located 2.20 mi. S. of 37°45' and 2.66 mi. W. of 81°15' - NE - Mullens

Quadrangle.

Elevation, 2088±16' L.

Permit - Ral-15

Drilling commenced May 15, 1942; completed Aug. 8, 1942.

Gas well; volume 84,000 cu. ft.

Fresh water 260', H.F.,; 850', 1/2 bb. per hour.

13" casing, 11'; 10", 231'; 8 5/8", 706'; 2" tubing, 2747'.

Section based on samples from 20 to 2747', examined by C. N. Apsouri, information supplied from driller's records for intervals when samples are missing.

Top Bottom Thickness

Pottsville Formation, 667± feet

Top	Bottom	Thickness	
0	10	10	Surface
10	100	90	Sandstone, white
100	125	25	Slate, (no samples, 72-225')
125	128	3	Coal
128	132	4	Slate
132	138	6	Lime
138	150	12	Slate, black
150	165	15	Lime, shells
165	209	44	Slate and shells
209	225	16	Slate and shells
225	245	20	Shale, dark-gray, 80%; gray siltstone with siderite spherulites, 20%
245	285	40	Sandstone, white, fine
285	305	20	Shale, gray, silty
305	315	10	Sandstone, white, very fine, 60%; gray, silty shale, 40%
315	415	100	Shale, shale, gray
415	425	10	Shale, gray, silty, 50%; gray siltstone, 50%
425	445	20	Shale, gray, 95%; coal 5%
445	475	30	Shale, gray
475	495	20	Shale, gray, sandy
495	540	45	Sandstone, white, fine
540	550	10	Shale, dark-gray

Top	Bottom	Thickness	
550	555	5	Siltstone, gray
555	557	2	Coal
557	577	20	Sandstone, gray, very fine, 60%; gray to black shale and gray siltstone, 40%
577	597	20	Sandstone, gray to brownish, very fine
597	647	50	Sandstone, white, fine
647	657	10	Siltstone, dark-gray, shaly
657	667	10	Shale, dark-gray to black, with a trace of coal
<u>Mauch Chunk, 1661 feet</u>			
667	677	10	Shale, very light gray, silty, micaceous, slightly calcareous
677	697	20	Shale, very light gray, micaceous, 85%; very light brown limestone, 15%
697	727	30	Shale, gray, soft, with small limestone nodules
727	747	20	Siltstone, light-green, sandy, calcareous, 60%; soft red shale, 40%
747	777	30	Sandstone, light-green, very fine
777	787	10	Siltstone, gray, sandy
787	797	10	Shale, gray and red
797	817	20	Shale, red, 50%; green shale, 50%
817	827	10	Shale, gray
827	837	10	Shale, red, with limy concretions, 70%; green siltstone, 30%
837	847	10	Siltstone, grayish-green, sandy
847	857	10	Sandstone, white, very fine
867	877	10	Sandstone, white, very fine
877	887	10	Shale, gray to nearly white
887	897	10	Siltstone, very light gray, 75%; gray shale with limy concretions
897	907	10	Shale, red, 80%; gray shale and siltstone, 20%
907	927	10	Shale, red, 50%; gray shale and siltstone, 50%
927	937	10	Shale, red, 50%; green sandy siltstone with small limy concretions
937	967	30	Shale, red
967	997	30	Shale, gray
997	1017	20	Sandstone, white, very fine

Top	Bottom	Thickness	
1017	1057	40	Shale, gray
1057	1067	10	Shale, gray, 50%; white, fine sandstone, 50%
1067	1108	41	Sandstone, white
1108	1228	120	Shale, gray to dark-gray
1228	1345	117	Sandstone, white, fine
1345	1365	20	Shale, gray, with small limy concretions
1365	1375	10	Limestone, gray, shaly, fossiliferous
1375	1525	150	Shale, red, slightly to moderately calcareous
1525	1540	15	Shale, green
1540	1650	110	Shale, red, slightly calcareous
1650	1657	7	Siltstone, red, shaly
1657	1677	20	Shale, red, 75%; greenish-gray shale, 25%
1677	1722	45	Shale, light-gray
1722	1745	23	Shale, red
1745	1761	16	Shale, gray, 75%; light-gray siltstone, 25%
1761	1780	19	Sandstone, white, very fine
1780	1790	10	Siltstone, very light-gray, 75%; gray shale, 20%; brown limestone, 5%
1790	1800	10	Shale, red, 50%; gray siltstone, 40%; gray limestone, 10%
1800	1810	10	Shale, gray, 85%; brownish-gray limestone, 15%
1810	1820	10	Shale, gray, 75%; light-gray siltstone, 25%
1820	1825	5	Shale, red, 50%; greenish-gray siltstone and shale, 50%
1825	1842	17	Shale, red
1842	1868	26	Siltstone, gray to white
1868	1915	47	Sandstone, white, very fine
1915	1925	10	Shale, greenish-gray
1925	1955	30	Shale, red
1953	2015	60	Shale, red, 70%; green and greenish-gray shale, 30%
2015	2095	80	Shale, gray to greenish-gray
2095	2135	40	Shale, red, silty, 50%; greenish-gray shale, 50%
2135	2165	30	Shale, gray to light-gray
2165	2185	20	Shale, gray, 50%; light-gray siltstone, 50%
2185	2195	10	Shale, light-gray
2195	2225	30	Sandstone, white, very fine
2225	2235	10	Shale, gray to dark-gray; breaks up thinly when placed in water
2235	2275	40	Shale, gray

Top	Bottom	Thickness	
2275	2328	53	Limestone, gray, fossiliferous; also large amount of gray shale; since all of the samples contain shale it is impossible to tell whether shale separates this from the underlying limestone

Greenbrier Limestone, 422+ feet

2328	2334	6	Limestone, brownish-gray, oolitic
2334	2355	21	Limestone, gray, fossiliferous
2355	2395	40	Limestone, gray to brownish, partly oolitic
2395	2405	10	Limestone, gray, fossiliferous
2405	2445	40	Shale, gray to dark gray
2445	2470	25	Limestone, nearly white, 65%; green, silty, calcareous shale, 25%; red calcareous shale, 10%
2470	2490	20	Limestone, gray to dark-gray, oolitic, some red and green shale, 2480-2490'
2490	2500	10	Limestone, gray, very oolitic
2500	2510	10	Limestone, gray
2510	2570	60	Limestone, gray to light-brown, oolitic (gas at 2517-2521' and 2540-2560')
2570	2580	10	Limestone, brown
2580	2590	10	Shale, gray and red, calcareous
2590	2627	37	Limestone, gray, oolitic
2627	2697	70	Limestone, brown to gray, partly oolitic
2697	2727	30	Limestone, light-brown
2727	2747	20	Limestone, dark, gray, partly dolomitic
	2750		Total depth