

Wyo-11

Milams Fork Smokeless Coal Land Co. No. 13

Slab Fork District, Wyoming County, W. Va.

By Ravencliff Development Company, Babine, W. Va.

Located 4.7 mi. S. of 37°45' and 1.9 mi. W. of 81°15' -NE- Mullens Quadrangle.

Elevation, 1820.4'.

Permit, Wyo-11.

Drilling commenced July 15, 1941; completed January 14, 1942.

Fresh water, 112'; salt water, none

10,000 cu. ft. gas.

14" casing 63'; 10", 352'; 8 1/2", 690'; 6-5/8", 2375'.

Section based on samples from 134 to 2906' examined by J. H. C. Martens.

Location of Greenbrier-Mauch Chunk contact is not very certain.

Top Bottom Thickness

Pottsville Formation, 986+ feet

Top	Bottom	Thickness	
0	63	63	Soil and quicksand (from driller's record)
63	134	71	Sand (from driller's record)
134	155	21	Sandstone white, medium-grained, with high proportion of quartz
155	161	6	Siltstone, light-gray, micaceous, with siderite spherulites
161	175	14	Sandstone, light-gray to white, fine- to medium-grained
175	192	17	Shale, very dark gray to black
192	204	12	Siltstone, dark-gray, micaceous
204	222	18	Sandstone, light-gray, fine
222	230	8	Shale, dark-gray
230	245	15	Sandstone, gray, medium-grained
245	250	5	Siltstone, gray, sandy
250	276	26	Sandstone, gray, fine to very fine
276	279	3	Coal, Sewell (from driller's record)
279	290	11	Sandstone, gray, fine to very fine
290	308	18	Sandstone, light-gray, medium-grained
308	314	6	Sandstone, gray, very fine, silty
314	342	28	Sandstone, white to light-gray, medium-grained
342	366	24	Sandstone, gray, fine, 70% gray to black shale and siltstone, 30%
366	378	12	Siltstone, dark-gray, shaly

Top	Bottom	Thickness	
378	415	37	Sandstone, white to gray, medium- to coarse-grained; traces of coal and black shale
415	428	13	Sandstone, light-brown, medium-grained; the brown color is due to a thin and rather uniform rusty coating on the grains
428	451	23	Sandstone, nearly white, medium- to fine-grained; small amounts of coal
451	499	48	Siltstone, dark-gray, shaly, micaceous
499	524	25	Sandstone, white, medium-grained
524	542	13	Sandstone, white, medium-grained, 60%; coal and black silty shale, 40%
542	565	23	Siltstone, dark-gray to black
565	585	20	Shale, black, silty; small amount of coal, 565-579'
585	594	9	Sandstone, light-gray, fine to very fine, 50%; black shale and siltstone 45%; coal, 5%
594	615	21	Sandstone, light-gray, fine
615	625	20	Sandstone, gray, very fine, 70%; dark-gray siltstone, 30%
625	663	38	Shale, dark-gray
668	690	22	Sandstone, white, coarse
690	709	19	Sandstone, medium-grained, with large amount of rust stain
709	734	25	Sandstone, light-gray, fine, 70%; gray shale and siltstone, 30%
734	765	31	Sandstone, light-gray, fine- to medium-grained; a little dark-gray siltstone
765	835	70	Sandstone, light-gray to white, medium-grained
835	838	3	Coal (from driller's record)
838	892	54	Siltstone, gray, sandy, micaceous
892	956	64	Sandstone, light-gray to white, fine- to medium-grained
956	960	4	Siltstone, dark-gray
960	966	6	Shale, dark-gray
966	986	20	Siltstone, light-gray, with siderite spherulites
<u>Mauch Chunk, 1520 feet</u>			
986	992	6	Shale, green, silty, micaceous, 95%; red silty shale, 5%
992	998	6	Siltstone, green, shaly
998	1027	29	Siltstone, light-green, sandy

Top	Bottom	Thickness	
1027	1040	13	Sandstone, nearly white, fine
1040	1064	24	Shale, gray, silty
1064	1070	6	Siltstone, gray
1070	1081	11	Sandstone, gray, very fine
1081	1101	20	Sandstone, white, medium-grained
1101	1111	10	Sandstone, nearly white, fine
1111	1122	11	Shale, gray
1122	1142	20	Sandstone, light-gray to white, fine
1142	1149	7	Shale and siltstone, gray
1149	1162	13	Shale, dark-gray
1162	1168	6	Shale and siltstone, gray
1168	1174	6	Siltstone, gray
1174	1196	22	Sandstone, gray, very fine
1196	1217	21	Siltstone, gray
1217	1222	5	Sandstone, gray, very fine
1222	1226	4	Sandstone, white, medium-grained
1226	1232	6	Shale, gray
1232	1249	17	Shale, gray; small amount of coal
1249	1251	2	Siltstone, gray
1251	1252	1	Sandstone, white, fine (show of gas)
1252	1254	2	Shale, gray
1254	1298	44	Sandstone, white, fine- to medium-grained; coarser near bottom
1298	1338	40	Shale, very dark-gray
1338	1353	14	Sandstone, white, very fine; samples are mostly shale like that above, probably due to cavings
1353	1397	44	Sandstone, white to gray, very fine
1397	1403	6	Shale, light-gray and red, sandy
1403	1416	13	Sandstone, white, light-gray and light-green; also considerable gray and red shale, probably cavings
1416	1422	6	Siltstone, grayish-green, 80%; red silty shale, 20%
1422	1433	11	Sandstone, green, fine, 60%; gray and red shale, 40%
1433	1443	10	Shale, gray
1443	1463	20	Sandstone, white, fine- to medium-grained
1463	1476	13	Sandstone, light-gray, very fine

Top	Bottom	Thickness	
1476	1521	45	Limestone, gray, fossiliferous; also some gray shale
1521	1621	100	Shale, red, silty, calcareous
1621	1645	24	Shale, red and green, silty, calcareous
1645	1657	12	Siltstone, light-green
1657	1696	39	Siltstone and shale, red, calcareous
1696	1718	22	Siltstone, red, calcareous and micaceous
1718	1773	55	Shale, red, silty, calcareous
1773	1786	12	Shale, grayish-green
1786	1797	12	Siltstone and shale, grayish-green
1797	1826	28	Shale, red, very silty, calcareous
1826	1835	10	Siltstone, light-green, fine
1835	1845	10	Shale, dark-gray
1845	1870	25	Siltstone, gray, partly sandy
1870	1876	6	Sandstone, gray, very fine
1876	1895	19	Shale, gray, fossiliferous
1895	1915	20	Sandstone, light-green, very fine
1915	1919	4	Shale, gray and red, silty
1919	1985	66	Shale, red, silty
1985	2035	50	Sandstone, white, fine
2035	2040	5	Limestone, light-gray, dolomitic
2040	2070	30	Shale, red, dolomitic
2070	2094	24	Shale, green and red, silty
2094	2112	18	Sandstone, gray and white, very fine
2112	2124	12	Shale, red and gray, silty
2124	2157	33	Shale, gray, silty
2157	2187	30	Shale, gray, green, and red
2187	2222	35	Limestone, gray; samples are mostly shale of various colors, probably cavings
2222	2255	33	Shale, dark-gray, silty
2255	2315	60	Shale, dark-gray, distinctly laminated
2315	2333	18	Limestone, gray, fossiliferous; large amounts of cavings from the shale above
2333	2345	12	Shale and siltstone, gray, 80%; gray limestone, 20%
2345	2370	25	Limestone, dark-gray, fossiliferous; also some gray shale cavings

Top	Bottom	Thickness	
2370	2376	6	No sample; casing set at 2375'
2376	2451	75	Limestone, dark-gray with white spots, highly fossiliferous; small amounts of gray silty shale
2451	2460	9	Shale, gray, silty, calcareous
2460	2468	8	Limestone, dark-gray
2468	2474	6	Limestone, gray, 80%; gray siltstone, 20%
2474	2480	6	Shale, red, silty
2480	2485	5	Siltstone, gray, fine, shaly
2485	2490	5	Siltstone, red and gray, shaly
2490	2495	5	Shale, gray, silty, calcareous
2495	2506	11	Siltstone, gray, shaly, calcareous
<u>Greenbrier Limestone, 383 feet</u>			
2506	2512	6	Limestone, gray, fossiliferous
2512	2523	11	Limestone, dark-gray, shaly
2523	2528	5	Shale, black, silty, calcareous
2528	2534	6	Limestone, dark-gray
2534	2540	6	Siltstone, gray, highly calcareous
2540	2546	6	Limestone, brown and gray, oolitic
2546	2557	11	Limestone, very light brown, oolitic
2557	2570	13	Limestone, brown
2570	2576	6	Limestone, light-brown
2576	2582	6	Limestone, light-brown, cherty
2582	2600	18	Limestone, gray to brownish, with small amount of chert
2600	2612	12	Limestone, gray with some indistinct oolites
2612	2624	12	Limestone, gray and white, fossiliferous
2624	2636	12	Limestone, gray to black, shaly
2636	2660	24	Limestone, gray and brown, oolitic
2660	2754	94	Limestone, light-gray, somewhat brownish
2754	2772	18	Limestone, very light gray, oolitic
2772	2790	18	Limestone, very light gray with a little green; partly dolomitic
2790	2814	24	Limestone, very light brown
2814	2820	6	Limestone, very light brown, oolitic
2820	2832	12	Limestone, very light brown
2832	2844	12	Limestone, gray
2844	2850	6	Limestone, gray, brown and white, oolitic, sandy

Top	Bottom	Thickness	
2850	2867	17	Limestone, gray, slightly dolomitic
2867	2872	5	Limestone, gray, 85%; white anhydrite, 15%
2872	2878	6	Anhydrite, white, crystalline, 80%; gray limestone, 20%
2878	2884	6	Limestone, light-gray, highly dolomitic, 80%; black, calcareous shale, 20%
2884	2889	5	Limestone, gray to black, containing about 20% of white anhydrite
<u>Maccrady Formation, 87+ feet</u>			
2889	2901	12	Shale, gray, highly dolomitic; contains small amount of white anhydrite
2901	2906	5	Shale, gray, silty and dolomitic, 50%; red dolomitic shale, 50%; a few rounded sand grains in gray shale
	2906		Total depth