

NOV 10 1946

Tioga Lumber Co. No. 2(545) Well.

Hamilton District, Nicholas County, W. Va.

By West Virginia Gas Corporation, Box 1433, Charleston 25, W. Va.

Located 5.5 Mi. S. of 38° 30' and 2.3 Mi. W. of 80° 40'

Cowen Quadrangle - N. W.

Elevation 2409.9' L(ground)

Permit Nic - 72

Drilling commenced Sept. 11, 1946; completed Feb. 1, 1947

Dry hole

Fresh water, 35' and 115'

Salt water at 2519'

13" wood conductor 8'; 10 3/4" 30# casing 399' 8"; 8 5/8" 24# and 28#, ~~985' 8"~~
985' 8"; 7" , 2342' 9"

Coal was encountered at 196-201' and at 475-480'

Section based on samples from 2325 to 2395 feet, examined by Russell R.

Flowers

Top Bottom Thickness

Greenbrier Limestone, 294, plus, feet

Top	Bottom	Thickness	Description
2325	2340	15	Limestone (very shaly) and some shale (calcareous), brownish-black to black, brownish-black to grayish-black in the lower part, very silty in the lower part (Big lime 2315 to 2550 - from driller's log)
2340	2345	5	Limestone, light olive gray to medium-gray, mostly oolites (many of which "break free"); some silty shale, dark-gray to olive-black
2345	2355	10	Limestone, brownish-gray ^{To Olive-gray} (with dark greenish gray, calcareous, shale spots), some fossil fragments, some brownish-black to olive-black in the lower part
2355	2360	5	Limestone, brownish-gray to olive-black with light brownish gray spots, shaly
2360	2376	16	Limestone, brownish-black and some brownish-gray with light-gray spots, shaly and silty, sandy at the bottom

2376	2380	4	Limestone, brownish-gray to olive-gray, oolitic in part, somewhat sandy and silty
2380	2385	5	Limestone, light olive gray to greenish-gray, ^{very silty} and some ^{Dark Greenish Gray + Some} grayish-brown to brownish-gray, silty shale
2385	2393	8	Limestone, light olive gray to olive-gray and medium light to medium dark gray, somewhat dolomitic, somewhat silty and shaly
2393	2410	17	Limestone, olive-gray to brownish-gray with light-gray spots, somewhat silty, somewhat shaly in the upper part
2410	2420	10	Limestone, light olive gray to olive-gray with light-gray spots, mostly oolites (some "break free"), sandy
2420	2433	13	Limestone, olive-gray with some light-gray spots, silty, somewhat shaly, very sandy at the top
2433	2443	10	Limestone, light olive gray with light-gray spots, some olive-gray in the lower part, silty
2443	2457	14	Limestone, brownish-gray to brownish-black, very sandy, silty and shaly; some light brownish to brownish-gray oolitic limestone (many of the oolites are broken apart)
2457	2463	6	Limestone, olive-gray to brownish-gray, clastic texture mostly oolites (many which "break free"), silty, sandy, and shaly
2463	2472	9	Limestone, light olive gray with white to very light gray spots, mostly oolites (very tightly cemented, somewhat sandy and silty)
2472	2479	7	Limestone, olive-gray to brownish-gray, clastic texture, mostly oolites (tightly cemented) with a fine sandy and silty matrix
2479	2494	15	Limestone, light olive gray to olive-gray and brownish-gray, mostly oolites (a large part of the oolites "break free"), a very silty matrix
2494	2503	9	Dolomite, brownish-gray to brownish-black and light-gray to light olive gray, somewhat silty
2503	2513	10	Dolomite, greenish-gray with very light gray to light greenish gray spots and some brownish-black to black, shaly streaks, calcareous, very silty

2513	2525	12	Limestone and dolomite, light olive gray to greenish-gray with white to very light gray spots, some brownish-gray in the lower part, silty, the limestone is xxx partly oolitic; a large amount of white, vein dolomite in the lower part
2525	2533	8	Limestone, light-gray to brownish-gray, and calcareous dolomite, light greenish gray, very silty
2533	2537	4	Limestone, light olive gray to light brownish-gray, some very light gray, somewhat dolomitic, somewhat silty
2537	2548	11	Limestone, light olive gray to olive-gray with very light gray spots, some brownish-gray to brownish-black in the lower part, dolomitic in part, somewhat silty
2548	2556	8	Limestone, olive-gray with very light gray spots, mostly oolites (well cemented), silty
2556	2565	9	Limestone, light olive gray to olive-gray, oolitic in part, very silty (coarse)
2565	2571	6	Limestone, light olive gray to olive-gray, somewhat silty
2571	2586	15	Limestone, olive-gray to brownish-gray, clastic texture, mostly tiny rounded particles tightly cemented (oolites?), silty
2586	2591	5	Dolomite, light olive gray to greenish-gray, calcareous silty
2591	2600	9	Dolomite (silty) to siltstone (highly dolomitic), medium light gray to dark greenish gray; siltstone, brownish-gray (calcareous) to brownish-black (dolomitic); some olive-gray to brownish-gray limestone; trace of anhydrite
2600	2605	5	Limestone, brownish-black, shaly to calcareous shale; some light to medium-gray dolomite; a small amount of white anhydrite
2605	2619	14	Siltstone to very fine sandstone, light olive gray, highly dolomitic; contains a large number of medium to coarse, well rounded, frosted quartz grains
<u>Pocono Formation, 276, plus, Feet</u>			
2619	2626	7	Siltstone, medium to medium dark gray, some dark-gray to grayish-black

2626	2638	12	Siltstone, brownish-gray, small amount is dolomitic
2638	2645	7	Siltstone, medium-gray to dark greenish gray and olive-gray; small amount of grayish-black to black shale
2645	2650	5	Siltstone, light-gray to medium dark gray and olive gray
2650	2663	13	Siltstone, light- to medium-gray, some medium dark gray, some olive-black to brownish-black (shaly) in the lowest part
2663	2672	9	Siltstone, light- to medium-gray, some brownish-gray; small amount of olive-black to black shale
2672	2682	10	Siltstone, brownish-gray with some light-gray spots; trace of white, vein calcite
2682	2705	23	Siltstone, medium to medium dark gray and olive-gray, mostly dark-gray to grayish-black (shaly) in the lower part
2705	2722	17	Shale, medium-dark to dark-gray, small amount of dark yellowish brown (sideritic); some light- to medium-gray siltstone
2722	2790	68	No sample
2790	2802	12	Shale, medium dark gray to olive-gray (silty); some brownish-gray siltstone
2802	2836	34	Siltstone, light olive gray to medium-gray and dark greenish gray; shale, medium dark to dark-gray, some olive-black
2836	2843	7	Siltstone, medium-gray (sandy) to medium dark gray and olive-gray to dark greenish gray; shale, medium dark gray to olive-gray
2843	2855	12	Shale, medium dark to dark-gray, some olive-black to grayish-black; some medium dark gray to dark greenish gray siltstone
2855	2882	27	Shale, medium to medium dark gray, some olive-gray; siltstone, medium-gray to olive-gray and dark greenish gray
2882	2891	9	Siltstone and shale, medium-gray to medium dark gray and dark greenish gray, sandy in part
2891	2895	4	Shale, medium dark gray to olive-black

2902

Total 672