

Way-220

Wilson Coal Land Company No. 27 (584) Well

Lincoln District, Wayne County, W. Va.

By the Owens, Libbey-Owens Gas Department, Charleston, W. Va.

Located 1.78 mi. S. of 33°00' and 1.21 mi. W. of 82°20' - RC - Naugatuck  
quadrangle.

Elevation 729.3' L.

Permit (Way-220)

Drilling commenced Oct. 13, 1940; completed Dec. 14, 1940.

Volume 33,000 cu. ft.

Fresh water, 40'; salt water, 840'.

10" casing, 28'; 8 1/4", 302'; 6 5/8", 1287'.

Sample description from 2680 to 3323' by C. H. Apsouri and 3323 to 3815' by  
J. H. C. Martens.

Top	Bottom	Thickness	
			<u>Greenbrier Limestone, 135 feet</u>
1257	1442	135	Limestone, white, hard (from driller's record)
			<u>McCready and Pocono Formation, 609 feet</u>
2011	2021	10	Shale, brown, soft (Gumbury Shale)
2021	2051	30	Sandstone, white, hard, (Berea Sandstone)
			<u>Devonian Shales, 1277 feet</u>
2051	2680	629	No samples.
2680	2823	143	Shale, very dark gray or chocolate-brown
2823	2829	6	Shale, gray
2829	2978	149	Shale, very dark gray or chocolate-brown
2978	2993	15	Shale, black
2993	3003	10	Shale, gray
3003	3163	60	No samples
3163	3197	34	Shale, greenish-gray
3197	3284	67	No samples
3284	3323	44	Shale, very dark gray to chocolate-brown
			<u>Huntersville Chert, 667 feet</u>
3323	3331	3	Limestone, brown, cherty
3331	3341	10	Limestone, light-brown, very cherty
3341	3356	15	No sample
3356	3365	9	Limestone, light-brown, very cherty; contains some salt and dolomite and a very little glauconite

Top	Bottom	Thickness	
3365	3394	29	Limestone, very light brown, cherty and slightly dolomitic, a few sand grains and some coarse silt at 3388-3394' may mark the Griskany horizon
<u>Helderberg Group, 657 feet</u>			
3394	3402	8	Limestone, nearly white cherty, 50%; dark-brown, cherty and silty limestone, 50%
3402	3423	21	Limestone, light-brown to gray, fossiliferous, silty slightly dolomitic; contains a little cherty and very little glauconite
3423	3429	6	Chert, gray, highly calcareous, silty, glauconitic, contains many small specks of pyrite
3429	3433	4	No sample
3433	3440	7	Limestone, gray, fossiliferous, cherty and silty; contains many small specks of pyrite and glauconite
3440	3444	4	Shale, dark-gray, pyritic, highly calcareous; contains a little glauconite
3444	3457	13	Limestone, gray to dark-gray with white spots, highly fossiliferous, silty and somewhat cherty; contains much pyrite
<u>Cayuga Series, 358+ feet</u>			
3457	3467	10	Limestone, light-brown
3467	3472	5	Limestone, brown, highly pyritic
3472	3506	33	Limestone, brown to gray, dolomitic
3506	3509	4	Dolomite, brown, very fine textured
3509	3519	10	Dolomite, very light-brown, with white crystalline dolomite occurring as veins and fillings of irregular cavities; cleavage fragment of purple fluorite in sample from 3509-3514'
3519	3532	13	No sample
3532	3536	4	Dolomite, dark-brown
3536	3549	13	No sample
3549	3554	5	Dolomite, very light brown with about 10% of white anhydrite

Top	Bottom	Thickness	
3554	3566	12	No sample
3566	3579	13	Dolomite, brown
3579	3597	18	Dolomite, dark-brown
3597	3606	9	Dolomite, brown
3606	3698	92	Dolomite-anhydrite rock, brown with some white; samples not complete
3698	3751	53	Dolomite, brown to dark-brown, very fine textured
3751	3784	33	Dolomite, brown, not quite so fine
3784	3793	9	Dolomite, light-brown
3793	3796	3	No sample
3796	3815	19	Dolomite, dark-brown
	3819		Total depth