

Bull Creek Coal Land Co. No. 24(720)

Peytona District, Boone County, W. Va.

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

Located 4.03 Mi. S. of 38° 15' and 4.53 Mi. W. of 81° 35'

Peytona Quadrangle NC

Permit - Boone 710

Top Bottom Thickness

4566 4583 17 Shale, black, very highly carbonaceous, pyritic, calcareous in part

Huntersville Chert, 97 feet.

4583 4592 9 Limestone, light-gray and light brownish gray to brownish-gray, some brownish-black, very shaly, very cherty; some brown, micaceous shale at the contact of the above black shale

4592 4594 2 No sample

4594 4604 10 Limestone, light brownish gray to brownish-gray, some ~~black~~ brownish-black, shaly with a very large amount of light- to medium-gray chert, very shaly at the bottom

4604 4609 5 No sample

4609 4613 4 Limestone (shaly) to calcareous chert brownish-gray to brownish-black with light- to medium- gray spots and streaks

4613 4626 13 Limestone (shaly) to calcareous chert and calcareous glauconitic siltstone, medium-gray to brownish-gray and brownish-black, somewhat dolomitic

4626 4630 4 Chert, light- to medium-gray and brownish-gray, some brownish-black, highly calcareous, dolomitic, very shaly, silty

4630 4631 1 Limestone (very shaly and very cherty) to siltstone (calcareous, glauconitic), medium-gray to brownish-black, dolomitic in part

4631	4636	5	Chert to siltstone and sandstone (very fine), light gray to brownish-gray, some grayish- and brownish-black, very highly calcareous, somewhat dolomitic
4636	4639	3	Limestone (very shaly, silty) to siltstone (sandy, glauconitic), medium- to dark-gray and brownish-black, very cherty, somewhat dolomitic
4639	4648	9	Limestone (silty) to siltstone (calcareous), light- to medium-gray, some light brownish gray to brownish gray, highly dolomitic, cherty, contains a little glauconite
4648	4649	1	Chert, light-gray to light brownish gray, silty and sandy (very fine), highly calcareous, slightly dolomitic
4649	4652	3	Limestone, light-gray to light brownish-gray, very cherty and very silty, somewhat dolomitic, shaly, contains a little glauconite
4652	4655	3	Siltstone to sandstone (very fine), light-gray to brownish-gray, highly calcareous, dolomitic, somewhat shaly
4655	4659	4	Siltstone and shale to sandstone (very fine to fine) medium light gray to light brownish gray, some medium-gray to brownish gray, very cherty, highly dolomitic, calcareous, some glauconite
4659	4662	3	Sandstone, light-gray to light brownish-gray, some medium dark gray to brownish-gray, very fine to fine grained, some medium (rounded) grains, dolomitic, somewhat calcareous, contains some chert and silts glauconite
4662	4670	8	Siltstone to sandstone (very fine), medium light to medium dark gray, some brownish-gray, highly calcareous, dolomitic, glauconitic, some brown phosphatic? (collophane ?) material in the upper part, somewhat shaly
4670	4677	7	Siltstone to sandstone (very fine), light- to medium gray, some light brownish gray, calcareous, somewhat dolomitic at the top to moderately dolomitic at the bottom, glauconitic, somewhat cherty

4677	4679	2	Siltstone to chert, silty, light- to medium-gray with some light brownish gray, dolomitic, somewhat calcareous, glauconitic, some shaly material
4679	4680	1	Siltstone, light- to dark-gray, very sandy (fine to medium-grained, some coarse, rounded and frosted grains - probably from the erosion of the underlying Oriskany sandstone), calcareous, dolomitic, very highly glauconitic

Oriskany Sandstone, 8 Feet.

4680	4685	5	Sandstone, very light gray, fine- to medium-grained subrounded to rounded (many of the grains are broken mostly quartz with a calcareous cement
4685	4688	3	Sandstone, very light gray, mostly quartz, fine-grained (in most of these samples the quartz has been crushed finer than the actual grain size), calcareous

Helderberg Formation, 21, plus, Feet.

4688	4691	3	Limestone, light- to medium-gray, very sandy (fine to medium-grained, rounded and frosted)
4691	4694	3	Limestone (sandy at top) to sandstone (calcareous at the bottom), light- to medium-gray, mostly light-gray at the bottom, most of the sand grains are very fine to fine
4694	4706	12	Limestone, (silty) to chert (calcareous) light- to medium-gray, and light brownish gray, some brownish-gray to brownish-black in the middle part, dolomitic in part, sandy at the top
4706	4709	3	Limestone, dark-gray to brownish-black, some medium-gray to brownish-gray, very shaly, very cherty, dolomitic in part
	4709		TOTAL DEPTH

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