

3-24-50  
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Brown and Cochran No. 5(312) Well.

Peytona District, Boone County, W. Va.

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

Located 3.81 Mi. S. of 38° 15'; 3.87 Mi. W. of 81° 40'

Peytona Quadrangle - N. W.

Permit Boo-720

Top	Bottom	Thickness	
4119	4134	15	Shale, brownish-black, some grayish-black to black, carbonaceous, pyritic in part (corrected to 4131 SLM)
4131	4134	3	Shale, black, highly carbonaceous, pyritic, calcareous in part
<u>Huntersville Chert, 92 Feet.</u>			
4134	4138	4	Limestone, brownish-gray to brownish-black with light-gray spots, shaly; some brown, very highly micaceous shale at the contact with the above black shale
4138	4154	16	Limestone, brownish-gray to brownish-black with very light to light- and medium-gray spots, very cherty to chert, shaly (corrected to 4153 ?)
4153	4160	7	Limestone, brownish-gray, shaly to chert, very light gray to brownish-gray (calcareous)
4160	4168	8	Limestone, brownish-gray to brownish-black with light-gray spots, very shaly, very cherty to chert, light-gray to medium-gray and brownish-gray
4168	4173	5	Chert, medium- to dark-gray to brownish-black, some light gray, highly calcareous, very shaly at the top to very silty with a little glauconite at the bottom, somewhat dolomitic
4173	4184	11	Chert (calcareous) to a limestone (very cherty), light- to medium-gray and brownish-gray, some dark-gray (shaly) dolomitic in the lower part
4184	4190	6	Chert (silty, calcareous) to limestone (very shaly, cherty), light- to medium-gray, some brownish-gray to brownish-black, dolomitic

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| 4190 | 4197 | 7 | Limestone (silty and sandy) to a calcareous siltstone and sandstone (very fine), light- to medium-gray, some brownish-gray, moderately dolomitic  |
| 4197 | 4203 | 6 | Limestone, light-gray to light brownish gray, very sandy (very fine), very cherty, dolomitic, a little glauconite   |
| 4203 | 4208 | 5 | Limestone, light-gray to light brownish gray, some medium-gray to brownish-gray, very silty and sandy (very fine), very cherty, somewhat dolomitic, glauconitic   |
| 4208 | 4216 | 8 | Sandstone (highly calcareous) to a silty and shaly limestone, light- to medium-gray and brownish-gray, very fine to fine-grained, some medium grains, somewhat dolomitic, glauconitic, phosphatic ?(brown material) |
| 4216 | 4222 | 6 | Sandstone, medium-gray to brownish-gray, some light-gray, very fine, silty, highly calcareous, dolomitic in the lower part, glauconitic, cherty   |
| 4222 | 4226 | 4 | Siltstone, light- to medium-gray, sandy (very fine), cherty, highly calcareous, moderately dolomitic, highly glauconitic; at the bottom a very sandy (fine to coarse) highly glauconitic siltstone                  |

Oriskany Sandstone, 13 Feet.

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| 4226 | 4227 | 1 | Sandstone (very highly calcareous) to a limestone (very sandy), white to light-gray, fine- to medium-grained, rounded, some well rounded and frosted, coarse grains   |
| 4227 | 4230 | 3 | No sample   |
| 4230 | 4234 | 4 | Sandstone (very highly calcareous) to a limestone (very sandy), white to light-gray, some medium-gray (limestone fine to medium-grained, rounded with some well rounded and frosted <del>coarse grains</del> <del>###</del> ) |
| 4234 | 4239 | 5 | Sandstone (very highly calcareous) to limestone (very sandy), very light to medium-gray with white spots, fine to medium-grained, rounded to well rounded   |

Helderberg Formation, 32, plus, feet.

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| 4239 | 4248 | 9 | Limestone (shaly and silty) to calcareous chert and some calcareous siltstone, light- to medium-gray, some medium gray, some medium dark gray (shaly) |
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4248	4261	13	Limestone, medium- to dark-gray and brownish-gray, very cherty and silty at the top, very shaly at the bottom, somewhat dolomitic
4261	4271	10	Limestone, dark-gray to brownish and grayish-black, very shaly, somewhat dolomitic
4272			TOTAL DEPTH