

Black Band Coal and Coke Co. No. 10 (5252) Well.

Louden district, Kanawha County, W. Va.

By United Fuel Gas Co., Box 1273, Charleston, W. Va.

Location 5.2 Mi. S. of 38° 20' and 2.85 Mi. W. of 81° 35'

Charleston Quadrangle - S C

Elevation, 800.6' L

Permit Kan-1018

Drilling commenced June 3, 1943; completed Sept. 6, 1943

Shot Sept. 8, 1943 at 4509-4529' with 40 quarts

Volume, Gas well

Fresh water, 25'

Salt water, 565'; hole full

16" casing 40'; 13" 404'; 10" 775' (pulled); 8 $\frac{1}{2}$ " 1200'; 6-5/8" 4435'; 2" tubing 4543'

Coal was encountered at 94-100'

Total depth 4543'

Section based on samples from 4347 to 4543

Examined by Russell R. Flowers, Mineralogist.

Top	Bottom	Thickness	
4347	4367	20	Shale, black, highly carbonaceous, slightly to moderately pyritic
<u>Huntersville Chert, 139 Feet.</u>			
4367	4375	8	Limestone, brownish-gray to brownish-black (with white to light-gray, very cherty spots), shaly (Top of Corniferous Lime 4410 - from driller's log)
4375	4385	10	Limestone, brownish-gray, some brownish-black, siliceous to chert, very light to medium-gray, calcareous in part
4385	4425	40	No sample
4425	4462	37	Limestone, brownish-black, some brownish-gray to medium light gray, shaly, siliceous in part; much white to light-gray chert, mostly chert at the bottom
4462	4492	30	Limestone to calcareous chert, brownish-gray with with light-gray to yellowish-gray spots, some brownish-black, dolomitic, shaly in part

4492 4500 8 Siltstone to sandstone (very fine), light- to medium-gray, some brownish-gray, very cherty, highly dolomitic, somewhat calcareous, oglauconitic

4500 4506 6 Siltstone, light to medium light gray, cherty, glauconitic, dolomitic; contains many fine to coarse rounded sand grains (clear and glassy quartz); some medium- to dark-gray, silty and shaly sandstone, highly glauconitic (greenish-black), fine to coarse grained

Oriskany Sandstone, 10 Feet.

4506 4516 10 Sandstone, very light gray to yellowish-gray, fine- to medium grained, angular to rounded, some rounded and frosted, ^{coarse} grains, highly calcareous, many of the quartz grains have well developed crystal faces, some are terminated (Gas 4507-4510'), some of the chips have large pore spaces

Helderberg Formation, 27, plus, Feet.

4516 4526 10 Siltstone and some sandstone (very fine), medium - to dark-gray (shaly), highly calcareous to a silty and sandy limestone, cherty

4526 4530 4 Chert, very light to light-gray, calcareous, slightly dolomitic

4530 4539 9 Chert, very light to medium-gray, some dark-gray (shaly), moderately calcareous, somewhat dolomitic

4539 4543 4 Chert, light-gray, calcareous, to a very shaly, dark-gray limestone, somewhat dolomitic