

UNITED STATES OF AMERICA No. 1 (GW 1202)

By Columbian Carbon Company, Box 873, Charleston, W. Va.
 Dry Fork District, Randolph County, W. Va.

Horton Quadrangle - SW.

Located 1.17 mi. W. of 79° 40' Long. and 2.98 mi. S. of 38° 50' Lat.

Elevation 3036.33 L.

Permit Ran-47

Top	Bottom	Thickness	
4628	4634	6	Shale, grayish black, highly carbonaceous, pyritic, somewhat calcareous <i>to black</i>
ONONDAGA and HUNTERSVILLE 220 Feet.			
4634	4648	14	Shale, grayish black to black, highly carbonaceous, pyritic, calcareous; some brownish gray to dark yellowish brown metabentonite in the upper part
4648	4653	5	Shale (calcareous) to limestone (very shaly), dark gray to grayish black; small amount of metabentonite
4653	4681	28	Shale, grayish black, some black, somewhat carbonaceous; some grayish black, highly calcareous shale; contains a little pyrite
4681	4697	16	Shale (calcareous) to limestone (argillaceous), medium to medium dark gray; fossiliferous; some grayish black, highly calcareous shale
4697	4702	5	Chert, mottled white (milky) to medium gray and dark gray to grayish black (argillaceous), some of the light chert is spicular, calcareous, somewhat dolomitic
4702	4707	5	No sample
4707	4710	3	Chert, white to light gray, translucent to milky, spicular, brecciated, slightly calcareous, slightly dolomitic, some dark gray (argillaceous)
4710	4722	12	Chert, white to light gray, mottled with medium dark gray and dark gray to grayish black (argillaceous), spicular in part, slightly calcareous, slightly dolomitic
4722	4743	21	Chert, dark gray (shaly), specks with light to medium gray ground mass, some very light to medium gray, moderate amount of dark gray to grayish black (argillaceous), very slightly dolomitic
4743	4761	18	Chert, dark gray to grayish black, argillaceous with some silicified shale; chert, dark gray specks with light to medium gray ground mass, some medium gray, somewhat pyritic, very slightly dolomitic
4761	4785	24	Chert (argillaceous) to shale (silicified), dark gray to grayish black, some medium to medium dark gray; small amount of dark gray to dark greenish gray highly glauconitic siltstone (argillaceous) in the upper part; small amount of clear, glassy quartz and white calcite
4785	4854	69	Shale, dark gray to grayish black, pyritic in part
ORISKANY SANDSTONE, 176 Feet.			
4854	4860	6	Sandstone, light to medium gray, very fine to medium grained, rounded, calcareous, some dark (shaly) interstitial material

4860	4882	22	Sandstone, medium light to medium dark gray, very fine to fine grained, some medium grains, large grains rounded, highly calcareous, small amount of dark (argillaceous) interstitial material
4882	4893	11	Sandstone (highly calcareous) to limestone (very sandy), medium light gray, very fine to fine grained, some medium grains, fine to medium grained at the top, rounded, medium grains, well rounded
4893	4908	15	Sandstone, medium light gray, very highly calcareous, very fine to fine grained, some medium grains, subrounded to rounded, mostly very fine grained in the lower part, somewhat dolomitic, some coarse silt, somewhat argillaceous
4908	4914	6	Sandstone, medium light gray, highly calcareous, very fine to fine grained, a few medium grains in the upper part, subrounded to rounded, some coarse silt, <i>slightly</i> argillaceous
4914	4926	12	Sandstone, light to medium light gray, fine grained, subrounded to rounded, calcareous, very slightly dolomitic
4926	4956	30	Sandstone, light gray to medium light gray, very fine to fine grained, subrounded to rounded, calcareous at the top to highly calcareous at the bottom, somewhat argillaceous in the lower part
4956	4964	8	Siltstone (coarse) to sandstone (very fine grained), medium dark gray, somewhat calcareous, contains dark (argillaceous) interstitial material
4964	4978	14	Sandstone, medium gray to light gray, very fine to fine grained, subrounded to rounded, calcareous at the top to highly calcareous at the bottom, some dark (argillaceous) material in the upper part
4978	4986	8	Sandstone, light gray, fine to medium grained, rounded to well rounded, highly calcareous
4986	4990	4	Sandstone, light gray, fine grained at the top to very fine grained at the bottom, subrounded to rounded, highly calcareous, slightly argillaceous in the lower part
4990	4999	9	Sandstone, light gray, very fine to fine grained, highly calcareous
4999	5007	8	Sandstone, light gray, very fine to fine grained, some medium grains in the middle and very fine grained at the top, highly calcareous
5007	5016	9	Sandstone, medium light gray, very fine grained to coarse <i>silt</i> , highly calcareous
5016	5030	14	Sandstone, very light gray, fine to medium grained, rounded, somewhat calcareous, medium to coarse grained (well rounded) and highly calcareous at 5023-5024; large amount of dark gray to grayish black shale, mostly shale 5019-5023, 5024-26, 5026-30 (this shale may be cavings)
5030	5048	18	HELDERBERG FORMATION, 52, plus, FEET. light to Sandstone, medium gray, very fine grained, very highly calcareous with some sandy limestone, chert 5042-5044, contains some dark (argillaceous) streaks

5048 5082 34

Limestone, medium light to medium dark gray, very sandy, very fine grained in the upper part, fine grained in the lower part, very fine to fine grained and somewhat dolomitic at the bottom

5089

TOTAL DEPTH 5082 DLM corrected to 5089 SLM