

DIST. Western Locahontas Corp. No 3 (746)
 Mullens - N.C. (Quad.) O. C. O. GAS. Dept. Pal. - 68
 0-6584
 4.83 m. S. 37° 45' E .71 mi W of 81° 20'
 Top in New River Group 7/23/49

Top	Bottom	Thickness	Description
0	16	16	Sandstone (fine- to coarse-grained), siltstone (coarse to very fine sand), light-gray to brown, contains a large amount of iron oxide, micaceous, a large amount of medium- to dark-gray shale, small amount is brownish-gray to dark yellowish brown (highly sideritic)
16	24	8	Shale, grayish-black to black, some brownish-black, highly carbonaceous; some dark yellowish brown to dusky-brown highly sideritic shale; some medium- to dark-gray shale (avings)
24	40	16	Shale, grayish-black to black, highly carbonaceous to "coaly", some dark-gray in the lower part; small amount of dark yellowish brown to dusky-brown, highly sideritic shale
40	60	20	Sandstone light-gray with moderate to dark yellowish brown spots (siderite), fine-grained, some very fine and some medium grained, highly sideritic at the top to moderately sideritic at the bottom, micaceous (muscovite)
60	94	34	Sandstone, light-gray, light-gray to light brownish gray at the top, very fine to medium grained, very fine to fine grained in the lower part, micaceous (muscovite), somewhat chloritic and kaolinitic, slightly to moderately sideritic, highly sideritic and somewhat calcareous at the top (cement); some coal 64-70 and "coaly" shale to coal 78 to 85

Top	Bottom	Thickness	
97	130	36	Sandstone, light-gray to light brownish gray (with dark-gray to grayish-black highly micaceous highly sideritic shaly streaks in the upper part, very fine grained, fine-grained in part, moderately to highly sideritic, micaceous)
130	135	5	Sandstone (fine to silty, very shaly) to shale (silty and sandy), dark-gray and brownish-gray to brownish- and grayish-black, carbonaceous, somewhat sideritic, micaceous; trace of "coal" shale
135	141	6	Siltstone, light-gray to light olive gray (with dark yellowish brown to black sideritic spots), argillaceous, somewhat pyritic; sandstone, dark-gray and brownish-gray to brownish- and grayish-black (carbonaceous), somewhat sideritic with highly sideritic spots, 40%.
141	153	12	Sandstone, brownish-gray to brownish- and grayish-black (shaly, carbonaceous) highly micaceous, moderately to highly sideritic; a large amount of grayish-black to black shale
153	159	6	Shale, light olive gray to brownish-gray (micaceous, silty); dark-gray to black (carbonaceous), some medium-gray (silty); small amount of dark yellowish brown sideritic shale
159	172	13	Siltstone olive-gray to brownish-gray, shaly to silty shale, highly micaceous, some brownish-black to black, highly sideritic spots; considerable interbedded, brownish-black (sideritic) to black (only) shale; sand in the lower part

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172	184	12	Shale and siltstone, medium- to dark-gray, olive-gray, some brownish-gray to black, somewhat sideritic, highly micaceous
184	189	5	Siltstone, medium- to dark-gray, some light gray, some brownish-gray (sideritic) to dark yellowish-brown (highly sideritic), some grayish-black to black (carbonaceous), contains much mica
189	195	6	Sandstone, light- to medium-gray with dark yellowish brown, sideritic spots, highly micaceous, some medium-gray to grayish-black shale
195	274	79	Sandstone, light-gray with dark yellowish brown, sideritic spots and streaks, highly micaceous (muscovite), some chlorite, slightly calcareous, highly sideritic at 231-236 and at the bottom also some medium- to dark-gray shale, a large amount of brownish-black (highly sideritic) and grayish-black to black (highly carbonaceous) shale at the top
274	279	5	Sandstone, brownish-gray (sideritic) to brownish-black (highly sideritic, carbonaceous, shaly), highly micaceous, kaolinitic
279	308	29	Sandstone, light-gray with dark yellowish brown, sideritic spots and streaks, fine to very fine grained, very fine grained at the bottom, highly micaceous (muscovite), kaolinitic and chloritic, some carbonaceous material; some coal at 293-297; some brownish-gray to brownish-black, highly sideritic and carbonaceous sandstone (fine) at the bottom

Top Bottom thickness

- 308 324 16 Sandstone (very fine) to siltstone, medium-gray to brownish-gray highly sideritic, contains much muscovite and some carbonaceous material
- 324 336 12 Shale (silty) to siltstone, medium- to dark-gray, brownish-gray to brownish-black (sideritic), highly micaceous; some "coaly" shale to coal at the top
- 336 342 6 Shale, dark-gray to grayish-black, some black, "coaly" to coal, medium- to dark-gray, some brownish-gray (sideritic) to dark yellowish brown (highly sideritic), fossiliferous
- 342 350 8 Sandstone, light-gray with dark brown (siderite) and some green (chlorite) spots, fine to very fine grained, kaolinitic, highly micaceous, some medium gray to brownish-gray, and some black "coaly" shale
- 350 366 16 Sandstone, light-gray, fine grained, contains muscovite, chlorite, kaolinitic and some sideritic material, very fine to fine and highly sideritic (with carbonaceous, shaly streaks) at the top; a very large amount of interbedded, dark-gray to black shale; some dark yellowish brown siderite

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