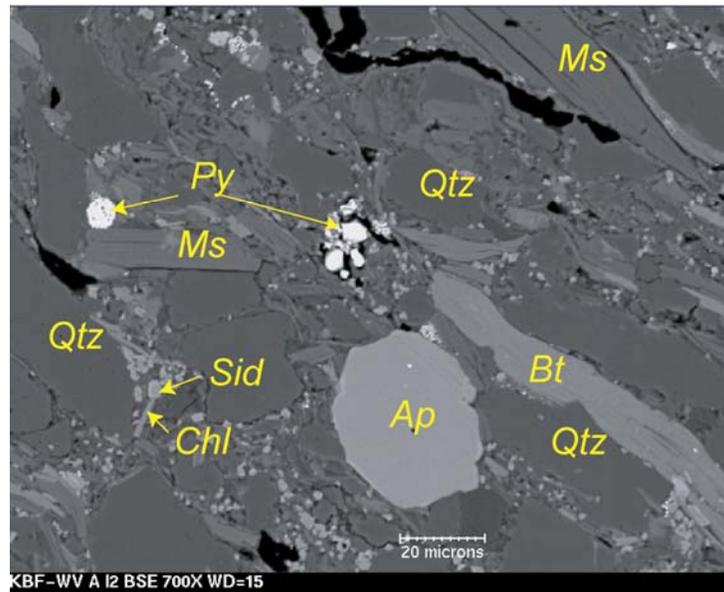


A



B

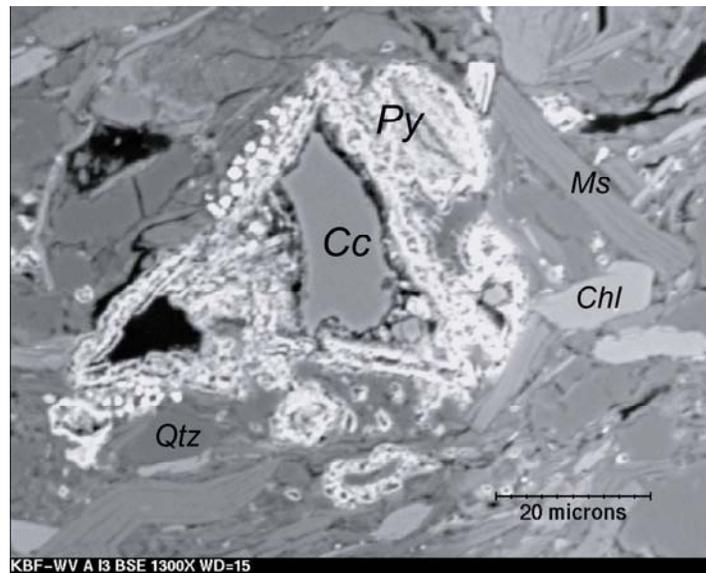


Figure 5.13. Kanawha Black Flint Shale (Sample KBF-WV). Backscattered-electron SEM images showing pyrite textures. *A*, Round pyrite framboid (6 micrometers in diameter) and clot of discrete pyrite grains associated with organic matter. Note large anhedronal crystal of apatite (Ap) as well as muscovite (Ms), biotite (Bt), and quartz (Qtz). The finer-grained matrix consists of calcite, siderite (Sid), chlorite (Chl), and clay. *B*, Pyrite crystals (~2 micrometers in diameter) form a 60-micrometer mass rimming calcite (Cc) and organic matter (black). Note cellular structure of pyrite, suggesting that the pyrite has replaced organic matter.