



Figure 15. Map of the Appalachian basin province showing the Utica-Lower Paleozoic Total Petroleum System and the accompanying Lower Paleozoic Carbonates in Thrust Belt, Knox Unconformity, and Black River-Trenton Hydrothermal Dolomite Assessment Units (Milici and others, 2004). Also shown are selected gas fields that produce from the Knox Dolomite-Rose Run Sandstone (sandstone) and the Black River-Trenton Limestones (Roen and Walker, 1996).