



Table 4. Stratigraphic nomenclature for the upper part of the petroleum system along the eastern side of the Appalachian basin; adapted from Filer and others (1996); Bjerstedt and Kammer (1988); Patchen and others (1985a,b); Harper (1999); Berg (1999); and Brezinski (1999). The locations of the regional transgressions, T1 and T2 of Bjerstedt and Kammer (1988) are shown on the sections. 1- Filer and others (1996); 2- Bjerstedt and Kammer (1988); 3- Brezinski (1989); 4- Patchen and others (1985a,b); 5- Matchen and Vargo (1996); 6-Vargo and Matchen (1996); 7- Milici (1996c).

		Tennessee Plateau 7	Eastern Kentucky 5, 6	Western Virginia Allegheny Front 1, 4	SW Virginia and S. West Virginia Plateau 1, 2, 5, 6	Central Virginia and SE West Virginia Valley and Ridge 2, 4	East-Central West Virginia 2, 4, 5	Northern West Virginia, Western Maryland, Southern Pennsylvania 2, 3, 6		
UPPER MISSISSIPPIAN	Chester	Gizzard Group (lower part) Pennington Fm.	Pennington Fm.	Bluestone Fm. Hinton Fm.	Bluestone Fm. Princeton Ss. Hinton Fm.	[Missing Formations]	Mauch Chunk Formation	Wymps Gap Mbr. Savage Dam Mbr. Deer Valley Mbr. Loyalhanna Mbr.		
	Meramec	Bangor Limestone Hartselle Sandstone	Slade Fm. Loyal-hanna Grb. Big Injun Keener	Bluefield Fm.	Bluefield Fm.		Greenbrier Limestone Keener Grb. Big Injun	Greenbrier Limestone	Mauch Chunk Formation	
		Monteagle Limestone St. Louis Limestone Warsaw Limestone		Greenbrier Limestone	Greenbrier Limestone		Greenbrier Limestone			
LOWER MISSISSIPPIAN	Osagean	Fort Payne Formation	Borden Fm. Big Injun Weir	Maccrady Formation	Maccrady Formation	Maccrady Formation	West Virginia dome	Burgoon/ Purslane Ss. Big Injun		
	Kinderhookian	Maury Shale	Sunbury Shale	Price Formation	Price Formation T ₄ Big Injun T ₃ Squaw Weir	Price Formation		Patton Shale ?		
		Chattanooga Shale	Berea Sandstone	Berea Sandstone	Big Stone Gap Mbr.	Sunbury Sh. Berea Ss. T ₂		Sunbury Sh. T ₂	Rockwell Mbr. Riddlesburg Sh. Mbr. T ₂	
			Bedford Shale	Bedford Shale	Bedford Sh.	Bedford Sh. T ₁		Bedford Sh. T ₁	Oswayo Mbr. T ₁	Rockwell Fm. Huntley Min. Fm. T ₂ Finzel Marine Tongue T ₁
UPPER DEVONIAN	Conevanga	Chattanooga Shale	Ohio Shale	Chattanooga Shale	middle gray shale mbr.	Ohio Shale	Hampshire Group	Hampshire (Catskill) Formation		
	Cassadaga				lower black shale mbr.				Java Formation	Greenland Gap Formation
	Chermung				West Falls Fm. Angola Shale Member Rhinstreet Shale Member				?	?

 Formations missing
 Unconformity