



Figure 24. Petroleum event chart for a Lower Paleozoic petroleum system (Road River/Ogilvie/Canol source-Bouvette/Ogilvie reservoir). The critical moment for oil and gas generation (arrow) occurred during Early Permian time as a result of uplift of the Richardson Mountains anticlinorium and associated tectonic development of contractional fold and fault structures in Eagle Plains to the west (Link and Bustin, 1989; Hall and Cook, 1998). Sil.-Silurian, Carbon.-Carboniferous, Per.-Permian, Tri.-Triassic, Q.-Quaternary.