

**AAPG International Conference
Barcelona, Spain
September 21-24, 2003**

John Dirk Gorter¹, Christopher J. Golding¹, Lisa McNeil¹, Peter J. Jones² (1) Agip Australia Limited, Perth, Australia
(2) Australian National University, Canberra, Australia

**Greenhouse-Icehouse Transition - Late Visean-Early Namurian Carbonate Platform And Associated Clastics,
Bonaparte Basin, Australia: New Hydrocarbon Plays**

The carbonate dominated Tanmurra Formation and the overlying clastic dominated Point Spring Formation, deposited on a continental shelf to basin transition during the late Visean to the early Namurian E1, were contemporaneous with the development of other greenhouse-icehouse carbonate platforms around the world. Reappraisal of the exploration well-derived palaeontological data and an extensive 2D seismic database have allowed clarification of the depositional environments indicating the occurrence of ooid-rich carbonate platform margin facies, with basinal carbonate mounds overlain by siliciclastic infill in which large scale channels are developed.