Petroleum System Characteristics of the Cressy Anticline (based on seismic line TB01-PU)

Target: Triassic, Early to Late Permian.

Source: Unit 1, Liffey Group, Macrae Mudstone, Quamby Mudstone, Tasmanite oil shale

Reservoir: Unit 2 (Triassic), Unit 1, Palmer Sandstone, Garcia Sandstone, Liffey Group (Permian)

Depth to top of reservoir: Unit 2 = ~ 600 m, Unit 1 = 750 m, Palmer Sandstone ~ 830 m, Garcia Sandstone ~ 900 m, Liffey Group ~ 1070 m.

Seal: Jurassic Dolerite, Latest Permian mudstone

Trap: Anticline

Risk: Timing, maturation and migration from Jurassic to Cenozoic. Traps were formed in Cretaceous or earliest Cenozoic. Note major compressional fault does not cut Eocene and younger sediments.