

primarily associated with fault reactivation on early highs and basin margins to an hiatus in the low lying area. The unconformity (or hiatus) is generally associated with a velocity shift apparent on sonic logs and is seismically represented by a change in interval reflectance character. The correlation of this event across faults, due to seismic character variations, is particularly difficult and relies heavily on the palynological interpretation of well data.

4.1.3 Top of L. balmei Horizon (Encl. 4.3)

This event, which approximates the Paleocene-Eocene time boundary, is characterised by a slight velocity shift, notable on sonic log data, and a bland reflectance character beneath it. The reduced seismic energy penetration and the increased presence of misleading multiple energy hampers the mapping of this horizon.

4.2 Isopach Maps

In addition to the three seismic horizon maps enclosed in this report, two isopach maps are included: top EVCM to M. diversus Unconformity and M. diversus to top L. balmei.

Faults presented on these isopach maps represent a change in thickness and can be used as an indication of early structural development.

4.2.1 Top EVCM to M. diversus Unconformity (Encl. 4.4)

With the exception of the margins of the basin where the