

### MAY MEETINGS

#### VIC/TAS BRANCH (May 19th)



#### A COMPARISON OF STRUCTURAL STYLES FROM THE NORTHWEST SHELF AND THE NORTH SEA

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The North Sea and the Northwest shelf both have areas where the rift axes and the rift bounding faults are oblique. This is usually interpreted as local reactivation of a pre-existing basement fabric which can compartmentalise the extension. In areas of the North Sea the analysis of the basement fault fabric has led to a greater understanding of the controls on structural development, the location of structures and sediment distribution in the basin. This in turn has opened up new plays within a mature exploration province. A similar methodology can be applied to areas of the Northwest shelf. The clear basement fabric can locally be used to

construct an alternate model for the structural genesis of the basin. This in turn provides a mechanism to better understand sediment distribution and the structures in the area.