

REPRESENTATIVE SEISMIC LINES

Seismic lines of different vintages and scales illustrate the geometry of the leads as well as the resolution and penetration of the seismic signal in various areas of the permit area, Figures 4 to 14. The reflectors are color coded: top Eastern View Coal Measures is purple and the Lower M diversus horizons is red. The other colors serve to highlight organized bands of energy.

Figure 4 is an east-west line acquired by Perthshire in 1981. It illustrates the Manatee IV lead which is located within the central graben area. The major basin forming listric growth fault is shown. Simple rollover is recognized at various levels.

Figure 5 is an east-west line acquired by Perthshire in 1982. It illustrates the Manatee I, II, IV and V leads which are located within the central graben area. The major basin forming fault, the unconformity and the Mornington - King Island Fault are shown. West dip is recognized below the unconformity.

Figure 6 is an east-west line acquired by Perthshire in 1981. It illustrates the Manatee II and III leads which are located within the central graben area. The major basin forming fault, the unconformity and the Mornington - King Island Fault are shown. West dip is recognized below the unconformity.

Figure 12 is a northwest-southeast line located entirely within the central graben area. It illustrates the Manatee V lead. Dip to the northwest is recognized.