

Pipipa is a fault controlled anticlinal structure approximately 15 km SW of the Pelican structure. A normal fault steeply dipping to the SW extending up from the Cretaceous to the Early Miocene creates a reversal of dip on the upthrown basinward side of the fault. This fault has an average throw of 30 m at the top Eastern View Coal Measures level increasing to 60m below the 'O' shale in the Upper M. diversus zone. At the top of the Eastern View Coal Measures the structure has an areal closure of 15 km² and 55 m of relief.

The crest of the structure results from a fault throwing down to the west which is visible only on line HB80A-434. The strike of this fault is perpendicular to the main fault trend. Below the 'O' shale level in the Upper M. diversus zone the area of closure is significantly reduced, though relief is thought to be greater at this level.

RESERVOIR CHARACTERISTICS

The porosities and permeabilities of the Eastern View Coal Measures have been evaluated by Sidewall Core Description and Analyses (Appendix 2) and wireline logging (Appendix 3).

The two Sidewall cores, No.8 from 1949.8 m and No.9 from 1946.2 m were found on analysis to have porosities of 34% and 37.4% respectively. The value obtained for core No.8 is significantly greater than that calculated from the wireline logs, where a value of 19% was derived at 1950 m.

Permeability determinations on cores No.8 and No.9 produced values of 53 md and 630 md respectively.

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