

At Pelican 5 (refer Fig 4 and Appendix 1) a mud weight for TD was calculated from the predicted pore pressures P1 and P2, as shown below. This method was also used to establish the predicted mud weights required for Pelican 5 and graphically displayed in Fig 11.

$$\begin{aligned} P1 &= 8900 \times 0.433 \times 1.01 \\ &= 3892.2 \text{ psi} \\ P2 &= (5100 \times 0.433 \times 2.70) + 3892.2 \\ &= 9854.6 \text{ psi} \\ MW &= \frac{9854.6 \times 19.27}{14000} \\ &= 13.56 \text{ PPG} \end{aligned}$$