

III. FORMATION PRESSURE

A. Formation Overburden Pressure.

Refer to Appendix C (i), Pressure Evaluation Log.

Formation overburden pressure was estimated only to 1662m (5452'), and beyond that density data was available and utilised. An estimated OBG was in use while drilling for fracture pressure determination. The plotted curve is smoothed and does not vary with interbedded lithologies.

B. Formation Fracture Pressure

Refer to Appendix C (i).

Estimated fracture pressures were calculated using the " Constant Effective Stress Ratio " method. This utilises leak-off data and allows for pore pressure and lithological variations. It should be noted that this method assumes uniform tectonic stress, and thus any unconformities may place the sections on either side in a different stress regime.

Formation Integrity Tests were conducted as follows:

Hole (m)	Depth (ft)	Hole Size (inches)	Casing Depth (m)	Casing Depth (ft)	Mud Wt. (ppg)	Fracture Pressure (ppg EMD)
418	1372	17.5	413	1356	8.6	15.3
1664	5460	12.25	1651	5418	8.9	14.6

The mud density in use was always less than the estimated fracture pressure, and no lost circulation occurred during the drilling of this well that was a result of exceeding the fracture pressure.