

The highest porosity plotted on Chart D is 23 per cent at a depth of 8585 feet in Upper Cretaceous sands with a water saturation of about 92%. Porosities from within the Lower Cretaceous Otway Group, below 9660 feet, were in the 9 to 15 per cent range on the Resistivity-Sonic plot (Chart D). The water salinity of the Otway beds was calculated to be about 20,500 ppm.

Summary

No indications of hydrocarbons are interpreted to be present in Prawn A-1. Porosities and water saturations obtained from resistivity-sonic and resistivity-density plots for the most part, seem to agree reasonably well. The few discrepancies illustrates the advisability of running more than one porosity tool.

The sands within the Tertiary and Upper Cretaceous section in general exhibit good porosities in the 20% range. Basal Upper Cretaceous and Lower Cretaceous Otway sandstones however, appear to have porosities less than 15%.