

Log derived porosities range from 15% - 23% and average around 20%. For an R_w equivalent to 5200ppm NaCl, S_w 's range from 43%-90%, average around 70% and for the R_w equivalent to 10400 ppm the S_w range is reduced with values from 40% - 70% averaging around 55%.

Conclusion

It is difficult to draw firm conclusions from the log analysis. Some doubt exists over the accuracy of porosities and S_w values calculated from Pelican 1. Certainly Pelican 5 appears to contain the poorest sands, based on log analysis. With both R_w values the sands calculate out as wet. In Pelican 1 and 4 cleaner gas bearing sands have been identified but the log analysis is still not good enough to provide an insight into productivity. However, small amounts of probable pay are identified in Pelican 1 and 4 and a considerable section of possible pay in Pelican 1 (see Table 4). Test results indicate that the sands have low permeability and would not be productive.