

Information gained should then be integrated into maturation levels via maturation modelling. Radiometric age dating of any intrusives intersected would then be necessary for input into thermal maturation models.

3. If the study outlined in recommendation 2 results in the identification of specific maturation anomalies associated with intrusives then geophysical detection of intrusives would be important. Seismic acquisition and processing may be optimised to enhance intrusive bodies.
4. Thorough source rock studies should be related to wireline geophysical logs so that future source rock work can be minimised. Entire well sections should then be evaluated for source rock quality from the wireline logs.
5. As part of an exploration program, expand and elaborate on geohistory analysis both in terms of "what if" modelling and sensitivity studies which encompass the entire basin. The results of the geohistory analysis and the understanding obtained from it can be feedback into the geological understanding to enhance exploration concepts and hopefully play quality and finally play ranking. The previous recommendations are essentially