

## 3. DISCUSSION

3.1.  
TEST RESULTS

In 1980 Kurylowicz and Ellis of the BMR (Ref.12), analysed all FIT data available at the time. Permeabilities of up to 3.7 md were calculated, the average being 1.4 md. The test derived permeabilities were similar to core derived values.

In this latest study, all previous FIT data and Kurylowicz and Ellis's interpretations were reviewed. In addition, data from Pelican 5 were examined.

Pelican 1

16 out of 21 FIT's in this well can be considered successful. By reference to Schlumberger chart FT-1 and examination of the pressure in conjunction with the electric logs the following conclusions have been drawn.

<u>Interval(m)</u>	<u>Conclusion</u>
2471-2476	Very low k, very rich gas, with possible OWC/ transition zone at 2476m.
2546-2553	Low k, very rich gas, no water
2582-2589	Low k, very rich gas, no water
2734-2742	Low k, rich gas, no water
3055-3066	Tight, rich gas, possibly transitional
3160-3163	Very low k, rich gas, no water

As an indication of what is meant by "low k" a permeability of 5.72 md was calculated from the FIT data at 2550m, similarly a permeability of 8.1 md was calculated at 2738m.

Pelican 2

11 FIT's were run. By reference to Schlumberger chart FT-1 and by examination of the FIT pressures the following conclusions were drawn:

<u>Interval(m)</u>	<u>Conclusion</u>
2873-3884	Low k (approx 1 md), very rich gas, no water

All other intervals are tight, mostly water bearing. In several zones the fluid content could not be established.