

The lower sand in Pelican 5 from 2817 m - 2827 m is cleaner than the middle sand and analysis shows it to have an average porosity of around 11% and Sw's in the range 70-100%. No cores or tests were conducted.

In Pelican 4 the middle sand from 2788 - 2804 m was not cored but FIT 2 at 2793.5 m recovered 0.34 cubic feet of gas and 15700 cc of filtrate/ water. The average log derived porosity was 15% and the average Sw 90%. This sand appears cleaner than its counterparts in wells 5 and 1. Test analysis show this sand to be tight and wet.

The lower sand from 2813 - 2823 m is of variable quality. An FIT at 2815.7 m recovered 0.1 cubic feet of gas and 20700 cc of filtrate. RFT sample 2 at 2722.8 m produced 0.03 cubic feet of gas and 9250 cc of filtrate. RFT sample 1 from 2519 m recovered 0.09 cubic feet of gas, 125 cc of condensate and 10752 cc of filtrate. Log analysis for this zone gave porosities in the range 5% to 21%. Sw's calculated out in the 70-100% range. RFT analysis show this interval to be tight and wet.

In Pelican 1 the two Zone E sands; 2774 - 2781m and 2786-2801m, are of poorer quality than in the other wells. Both appear argillaceous. An FIT was conducted in each sand but both only recovered mud filtrate. Log derived porosities for these sands seem unrealistically high when compared to the other wells.

On average the values for the two sands are 18% and 14% respectively. This is most likely a function of using the sonic log to derive porosity rather than the LDL-CNL or FDC-CNL. Also, these logs have high Vsh values which will make the zone seem more productive than it really is. Consequently, Sw values appear optimistic, in the range 50-60% and 60-70% for the two sands. In reality, it is doubtful whether they are capable of production.

Sidewall cores over the interval 2770 m to 2801.1 m for Pelican 1 are shown in Table 3. The sidewall core at 2787.1 m has the only good show and generally the cores are described as having clay matrix, and carbonaceous material present. This must cast doubt on the chances of this sand being very productive.

### Conclusion

Log, core and test results do not point to sands in this zone being very productive.