Figure 1A Pore filling carbonate cement (? Dolomite) enclosing detrital quartz and feldspar grains. The unaltered state of the feldspar (C:10) suggests that the carbonate phase developed as an early cement acting to inhibit feldspar dissolution. Veilfin-1, 3405-10 m cuttings sample, transmitted light with cross nicol (100 μ m = 17.5 mm).



Figure 1B Replacement of labile grains by mixed layer (illite-smectite) clays (e.g. J:5). Veilfin-1, 3370-75 m cuttings sample, transmitted light with cross nicol ($100 \ \mu m = 17.5 \ mm$).



FLUID HISTORY ANALYSIS

