



Supplementary material 6. Wireline log character in well 15/20a-18 across the Lower Balmoral Sandstone Unit. This well was drilled following several years of production from the Donan Field redevelopment. In the interval interpreted to be swept, S_w is considerably higher than calculated in the elevated S_w intervals. Additionally, the character of the logs is inconsistent with those recorded in the elevated S_w intervals (after [Ings et al. 2015](#)).