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(54) Title: ULTRA-HIGH SALINITY SURFACTANT FORMULATION

(57) Abstract: Methods of enhanced oil recovery are disclosed that use compositions including an alkyl polyether anionic surfactant having the general structure R^1JA , wherein R^1 is a C_8 - C_{18} primary or secondary radical group, J is a random, block, alternating, or alternating block polyether segment having the structure $[(PO)_x(EO)_y(BO)_z]$, wherein x is 4 to 18, y is 0 to 20, and z is 0 to 5, and A is an anionic group; a co-surfactant having the general structure $(R^2)_q(B)Ph-L-Ph(D)(R^3)_r$, wherein R^2 and R^3 are each, independently in each instance, a C_8 - C_{24} linear or branched, primary or secondary alkyl group, B and D are anionic groups, q is 1 to 3, r is 1 to 3, and L is O or CH_2 ; and an alkoxy alcohol.

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