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(54) Title: INHIBITION OF SILICA SCALE USING BOTTLE BRUSH POLYMERS

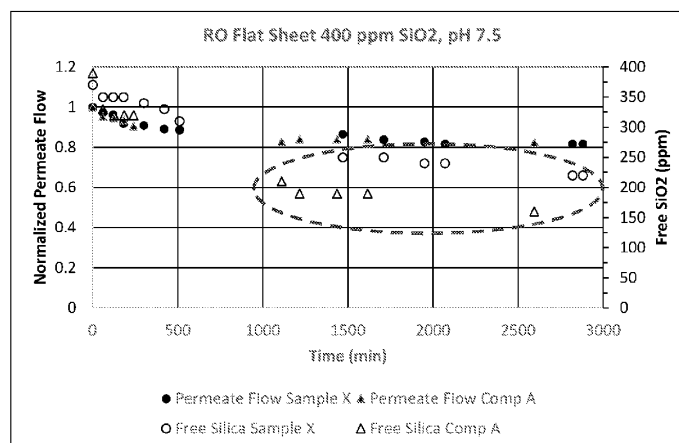


FIG. 1

(57) Abstract: A method for inhibiting silica scale formation which treats aqueous systems containing silica with a bottle brush polymer. The bottle brush polymer includes a repeat unit obtained after polymerization of one or more anionic monomers, and a repeat unit obtained after polymerization of one or more polyoxoalkylene-containing monomers. The bottle brush polymer may further include a repeat unit obtained after polymerization of one or more nonionic monomers. The addition of the bottle brush polymer to the aqueous system results in the inhibition of silica scale.

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