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(54) Title: POLYSACCHARIDE LOST CIRCULATION MATERIALS FOR WELLBORE OPERATIONS

(57) Abstract: Described herein are plugging materials with polysaccharides that can be used in wellbore operations. A plugging material can include hydraulic cement, amorphous silica, polysaccharides, a retarder, clay, and an aqueous base, where the material is injectable into a wellbore. The polysaccharides can be cross-linked with borate. The retarder can be at least one of an organo phosphoric acid, a modified sulfonated styrene-maleic anhydride polymer, lignosulfonate, or a polyacrylic acid.

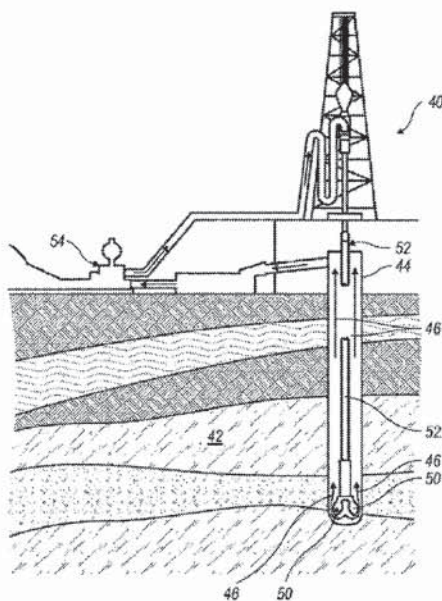


FIG. 1