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(54) Title: MICROBIAL PRODUCTS AND USES THEREOF TO IMPROVE OIL RECOVERY

(57) Abstract: This invention relates to compositions and methods of microbial enhanced oil recovery using biochemical-producing microbes. In specific embodiments, the methods of the subject invention comprise applying a bio surfactant-producing bacteria and/or a growth by-product thereof to an oil-producing site. In preferred embodiments, the bacteria is a strain of *Bacillus* in spore form. In some embodiments, the methods further comprise applying the bacteria with a yeast fermentation product, an alkaline compound, a polymer, a non-biological surfactant, and/or one or more chelating agents. Advantageously, the subject invention can be useful for stimulating the flow of oil from a well, as well as dissolving scale present in an oil-bearing formation.