CHEMICAL STIMULATION OF HEAVY OIL WELLS

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ABSTRACT

A high ratio of success has been seen in removing formation damage from older heavy oil wells using an asphaltenic suspending agent in conjunction with a selective stimulation tool. Treatment involves spotting the agent at the formation face and in the immediate wellbore region, allowing it to soak for a minimum of 16 hours, and then overflushing with a high volume of light crude at subfracturing pressure. Results are shown from a number of wells from three different fields. Incremental production has been as high as 8X and has been sustained for as long as 18 months.

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