

Investigation of Performance of Organic Acids on Carbonate Rocks (Experimental Study in Ahwaz Oilfield)

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Abstract : Matrix acidizing treatments can yield impressive production increase if properly applied. In this study, carbonate samples taken from Ahwaz Oilfield have undergone static solubility, sludge, emulsion, and core flooding tests. In each test interaction of acid and rock is reported and at the end it has been shown that how initial permeability and type of acid affects the overall treatment efficiency.

Keywords : carbonate acidizing, organic acids, spending rate, acid penetration, incomplete spending.

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