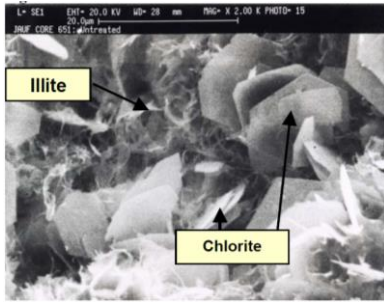




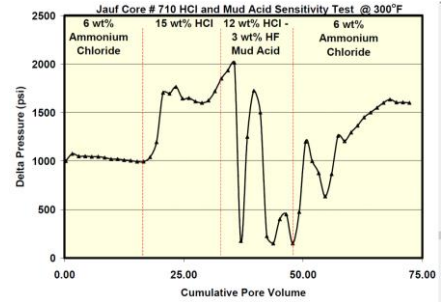
# SFB-007

## Premium Treatment System for Granite and Sandstone Formations

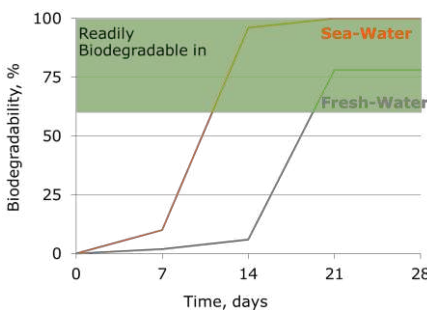
### IMPACT OF HYDROCHLORIC ACID PRE-FLUSH



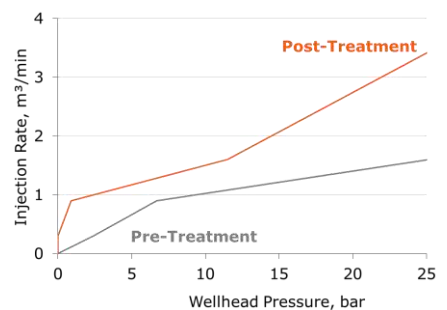
Core flood experiments and field results indicate that high temperature illitic sandstone is sensitive to conventional mud acid treatments. Here, the commonly employed HCl pre-flush degrades illite and chlorite leading to fines migration and formation damage (SPE-71690).



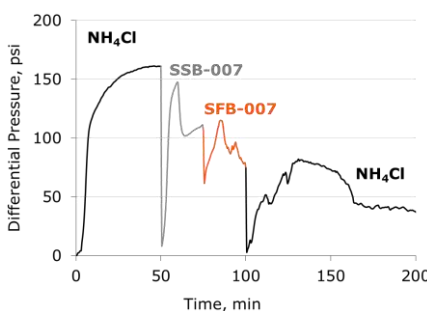
### BIODEGRADABLE ALTERNATIVE



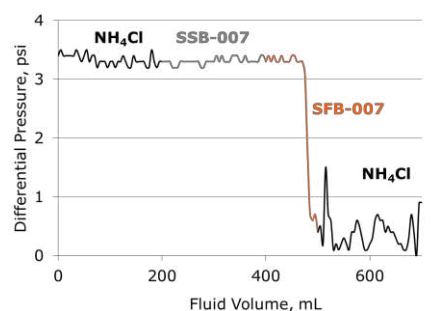
SSB-007 is a naturally retarded, biodegradable acid blend with an excellent environmental impact. Its first field trial in a highly fractured sandstone / granite formation at 165°C resulted into a greatly enhanced performance of the geothermal well (SPE-174242).



### SSB-007 ACID PRE-FLUSH



Outstanding compatibility with clay minerals makes SSB-007 to a highly recommendable acid pre-flush for sandstone treatments. Additionally and in contrast to HCl-based fluids, this innovative fluid system has a low corrosion tendency, even at high temperature.



### SFB-007 FOR SANDSTONE AND GRANITE FORMATIONS



HT core flood tests with bunter and granite plugs revealed the premium efficiency of SFB-007 to target silicates. In spite of the presence of illite and further sensitive clay minerals, no fines migration was observed. SSB-007 / SFB-007: An exceptional treatment fluid system.

