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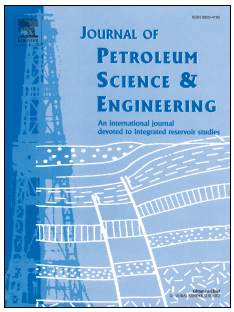

Development of an LPG fracturing fluid with improved temperature stability

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Graphical Abstract

LPG fracturing fluids have demonstrated quick and complete fracturing fluid recovery, significant production improvements and dramatically longer effective fracture lengths, which are of great significance for the development of unconventional reservoirs.

Fracturing fluids which can be applied in the field should be stable at downhole temperatures. It has been found by the rheological testing that the new LPG fracturing fluid we have developed has a maximum working temperature of 134.1^{o}C. It is the first time that an LPG fracturing fluid with such a high working temperature is reported.