Special Issue

Enhancing Conventional Heavy Oil Production

Message from the Guest Editor

The recovery of heavy oil is hampered by low oil mobility. Thus, the expected recovery factors in conventional primary and secondary approaches are very low (in the order of 10% OIIP or less). Heavy oil from sands seems to have been studied better than that of carbonates, despite the larger presence of carbonate reservoirs. Our aim with this Special Issue is to generate a collection of papers that reflect novel, environmentally responsible and financially feasible methods for heavy oil recovery. Defined as heavy oil here is any crude oil with an API of less than 25 and with a viscosity from 50 to 100,000 mPas at ambient conditions. Chemical, solvent, thermal, and mechanical methods are welcome, as well as in situ upgrading methods. Although priority will be given to publications with high experimental content, modeling contributions where verification with laboratory of field data is evident will also be considered. Finally, devices that can improve heavy oil production will also be considered. We look forward to a significant contribution in a very challenging field.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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