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Challenges and Research Trends of Unconventional Oil and Gas

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Message from the Guest Editor

Unconventional oil and gas played important roles in the energy industry for many decades. Due to the low-permeability characteristics of unconventional reservoirs, challenges related to the development of unconventional oil and gas have appeared in various academic and technical domains such as geology, geophysics, geochemistry, geomechanics, mechanics of string and tubing, and reservoir stimulation, etc. Many research achievements have been obtained in solving the aforementioned problems as technologies are developed accordingly. Still, there are many other problems existing in the current industrial and academic domains related to the development of unconventional oil and gas. This Special Issue provides a platform for the exchange and exhibition of achievements related to unconventional oil and gas.

The following topics are of major interests for this Special Issue: Geology and sweet spots; Hydraulic fracturing; Geophysics; Geomechanics; Geochemistry; Mechanics of string and tubing; Cases of best practice of various technical applications.

Solutions and research results achieved by either experimental or numerical as well as analytical and empirical methods are welcome



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Message from the Editor-in-Chief

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