Special Issue

Deep Sandstone Reservoirs Characterization

Message from the Guest Editors

Deep layers are one of the main areas for future oil and gas exploration and development. Compared with shallow layers, deep sandstones undergo complex geochemical processes, stronger diagenetic processes and multi-period structural processes, and reservoirs have stronger heterogeneity and complex genesis mechanisms. Meanwhile, the quality of deep seismic data is low and drilling data are scarce, requiring new reservoir characterization methods and technologies. Through precise characterization, we can understand reservoir types, microscopic pore structures, mineral diagenesis and its physical/geochemical processes, fractures, mineral deposition and its evolution, sand body distribution, and the porosity and permeability distribution laws of deep sandstone... This Special Issue provides a platform for exchanging theories, technologies, and application examples in the systematic study for deep sandstone reservoirs, including reservoir geological research, geological modeling, logging interpretation, seismic prediction methods, etc.

Guest Editors

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Deadline for manuscript submissions

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Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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