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Special Issue Reprint

Petroleum and Natural Gas Engineering

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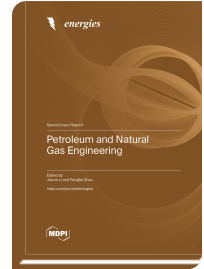
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This Reprint gathers 13 papers that showcase current advances in petroleum and natural gas engineering, with emphasis on hydraulic fracturing, enhanced oil recovery (EOR), and drilling technologies. The studies highlight innovations in fracturing fluids, proppants, monitoring methods, and fracture modeling, as well as approaches to reduce environmental impacts. Research on EOR covers chemical, thermal, and gas injection methods, case studies of successful applications, and integration with reservoir management. Developments in drilling focus on optimization strategies, wellbore stability, cost reduction, and the use of new materials in challenging environments. Together, these contributions provide a concise yet comprehensive overview of key innovations driving efficiency and sustainability in the exploration and production of petroleum and natural gas.



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