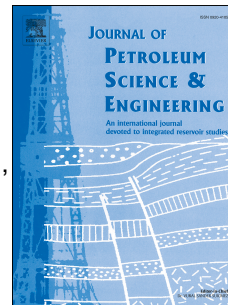


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CHANGES IN HYDROCARBON CONTENT OF HEAVY OIL DURING HYDROTHERMAL PROCESS WITH NICKEL, COBALT, AND IRON CARBOXYLATES

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