

# Preface

**2022 International Field Exploration and Development Conference (IFEDC 2022)** will be held during 2- 4 November, 2022 in Urumqi, China.

The theme of IFEDC 2022 is Efficient Development of Oil and Gas Driven by Surveillance Technology.

This conference attracts a wide attention from oil and gas industry colleagues in China and other countries, there are 2392 pieces of technical paper gathered totally, and finally 1837 of them are included in the conference proceedings which contains outstanding and valuable research results from different regions and fields. The papers are from experts and researchers working in oil and gas development companies, research institutes and universities, and their topics are broad and wide, such as Reservoir Exploration; Reservoir Drilling & Completion; Field Geophysics Well Logging; Petroliferous Basins Evaluation and Oil & Gas Accumulation; Fine Reservoir Description; Complex Reservoir Percolation Theory and Numerical Simulation; Complex Reservoir Dynamic Monitor and Analysis; Efficient Development of Low Permeability/ Tight Oil & Gas Reservoir; Shale Oil & Gas Exploration and Development; Fracture-Vuggy Reservoir Exploration; Development and Enhanced Oil Recovery of Mature Oil Fields in High Water Cut Period; Heavy Oil Reservoirs Enhanced Oil Recovery; Big Data and Artificial Intelligence in Oil & Gas Field Development; Coalbed Methane Exploration and Development; Resources Management and Evaluation Technology; Formation Mechanism and Prediction of Deep Carbonate Reservoir; Unconventional Resources Exploration and Development.

This paper proceeding, with a high academic level and practical value, reflects the latest research achievements, technologies, methods, processes and new products in the oil and gas field exploration and development in China and the current world oil industry.

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