

## HYDROCARBONS ABSTRACTS

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### Geologic Characteristics of Sedimentary Basins in China

The oil- and gas-bearing basins of China can be divided into four geographic areas, based on structural style. Eastern China contains the major producing fields, where oil and gas accumulations are found in combination structural-stratigraphic traps. In western China, oil and gas fields are distributed widely. Most traps are structural, with some stratigraphic controls on accumulations. The central part of China contains marine carbonate and non-marine clastic sediments, which are prolific reservoirs. These traps show transitional structural features. The continental shelf offers excellent geologic conditions and a good potential for finding oil.

China is unique in the characteristics of its oil and gas basins. These include a multiple supply of source material, multicyclic deposition, multiple source-reservoir-cap-rock assemblages, and a variety of lithology and lithofacies.