

20.09 **Main Problems In Development and Utilization of Oil Shale and the Status of In-situ Conversion Process Technology in China**

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The oil shale resources are rich in China. The total shale oil resources are estimated at 47.6×10^9 tons and the recoverable resources are 12.0×10^9 tons. The resource will have great potential and the advantage of replacing conventional energy. However, oil shale is not well utilized now. Factors limiting the large-scale development and utilization of the oil shale were analyzed by combining the current development and utilization status of the oil shale. According to the characteristics of deep burial layer, considering the environmental protection and economic continuous development, we think that the in-situ conversion process technology will be the main development technology for oil shale in the future. This paper introduces the main research work and main results on in-situ conversion process technology in China at present and puts forward future research concepts and methods.