



The Main Problems in the Development of Geothermal Energy Industry in China

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As early as 1980-1985, the geothermal energy research group of the Institute of Geology and Geophysics (Chinese Academy of Sciences) has proposed to pay attention to geothermal energy resources in oil fields. PetroChina began to study the geothermal energy resources in the region of Beijing-Tianjin-Hebei from 1995. Subsequently, the geothermal resources in the Huabei, Daqing and Liaohe oil regions were evaluated. The total recoverable hot water of the three oilfields reached $19.3 \times 10^{11} \text{m}^3$. PetroChina and Kenya have carried out geothermal energy development and utilization projects, with some relevant technical achievements. On the basis of many years' research on geothermal energy, we summarized the main problems in the formation and development of geothermal energy in China. First of all, China's geothermal resources research is still unable to meet the needs of the geothermal energy industry. Secondly, the development and utilization of geothermal energy requires multi-disciplinary cooperation. Thirdly, the development and utilization of geothermal energy needs consideration of local conditions. Finally, the development and utilization of geothermal energy resources requires the effective management of local government.