

<<天然气开采工程丛书>>

图书基本信息

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## 内容概要

In the aspects of natural gas production and utilization , China is the earliest one in the world. As early as the end of the Han Dynasty and the beginning of the Jin Dynasty ( 301 B. C. ) , Producing gas to extract salt by heating has started and that some oldest methods in the world , such as drilling of Zhuotongjing ( ver-tical borehole ) , gas production by water withdrawal with Kanpen ( a kind of basin covering over wellhead ) , gas production test with Liangtongzi ( bright tube ) , well workover operation by Bugiang ( repairing borehole ' s wall ) , identifying fracture system by Xianhao ( observing a marked gas production ) and dividing the inter-connecting fracture system by Tongqiang ( observing interwell communication ) , has been initiated , which has become a magnificent page in world petroleum history and is also a valuable experience for developing shal-low fracture-pore type gas fields with low porosity , low permeability and bottom water. Before liberation , the gas production technique in our country stagnated , being in a very backward situation , and an industrial-scale exploration and development has started only after new China was founded. At present , the gas fields have increased from two ( in old China ) t0 116 and the annual gas production has increased by a big margin , be-coming an indispensable energy resources for the development of our national economy. Now a new progress has been made in onshore gas exploration and the offshore Ya 13 - 1 large gas field has been put in produc-tion , which creates a favourable conditions for quickning the development of gas industry during the “ 9th Five-Year Plan ” 。

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