Hans 汉斯

中国南海深海油气田开发研究

张大刚

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摘　要

本文重点探索中国南海未来的油气田开发模式。首先通过对世界范围油气工业界已经安装完毕及正在进行项目的详细实例及油气田开发中所遇到主要技术问题进行了深入详细的研究及探讨，对使用于这些油气开发项目的关键成功技术详细了讨论。其中一些关键技术及油区开发经验可以用于中国南海项目开发。针对南海开发的几种可能情况，对几种可能的开发模式进行了系统的研究，这些模式包括边际油田开发和大型油天及气田开发。随着现在海洋开发方面的大量投资，长期以来不懈的技术引进及提高，以及在这一领域迅速增加的专业技术人员，中国海洋工业发展的黄金时代即将很快到来。

Abstract

This paper focuses on potential development models of future oil and gas exploration in South China Sea. A detailed study of current field development models worldwide is performed through some examples of industry installed/ongoing projects and major technical issues encountered during the practice. Key technologies are discussed for the success of field development. Some of the technologies and field development experience can be used for South China Sea project. Several models are studied in field development for different scenarios, including marginal field, large oil field and gas field. With the massive investment activities, continued improved technologies, and rapidly growing pool of professionals, the offshore industry in China will soon encounter a golden period.

其他相关研究

New technology opens the door for deepwater development，《Engineering Sciences》2011 年 01 期

Research on the dynamic performance of ship isolator systems that use magnetorheological dampers，《Journal of Marine Science and Application》2009 年 04 期

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