

<<石油钻井英语>>

图书基本信息

书名：<<石油钻井英语>>

13位ISBN编号：9787502141783

10位ISBN编号：7502141782

出版时间：2003-3

出版时间：石油工业出版社

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页数：358

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内容概要

随着石油工程国际合作项目的日益增多，越来越多的石油工程科技人员需要提高英语交流水平，从而了解国际石油经济的新进展，成功地从事国际合作业务，参与国际竞争。但目前市场尚缺乏适于自学，且石油专业涵盖面较广的英语阅读教材。为此，我们编写了一套《石油科技英语丛书：石油钻井英语》，分为石油勘探英语、石油钻井英语、油田开发英语、石油化工英语和石油经济与管理英语五个分册。这五个分册基本涵盖了石油工业各方面的词汇和术语，每一分册原文均选自英语国家原版刊物，语言地道、准确，疑难语法现象及语言点均配以注释，阅读理解练习的设计科学、合理，有利于阅读理解能力的快速提高。此外，所有原文均配有准确流畅的译文，读者可借此进一步提高阅读理解的准确性，也可以通过翻译练习提高翻译能力。

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章节摘录

For the granulated slag to be “ active ” (10) , it must be cooled from its molten state in the blast furnace at a temperature of about 1500°C to a solid glassy granule at less than 100 . After further treatment , the glassy slag is finely ground to ensure complete hydration on mixing with water. A mixture of 10:90 slag with Portland cement has been used worldwide in the construction industry with great success. Although there are existing mud-to-cement conversion technologies , they have not received wide acceptance by the industry because of limitations. The slag is composed of calcium silicate. Slag-mix is resistant to chemical attack and slurries are designed to give the desired properties such as density and thickening time to suit the cementing application. The drilling mud to be converted is first isolated. If necessary the mud is diluted with water and then treated with a lignosulfonate thinner/retarder and alkaline activators. The treated mud is pumped to a cementing unit , where the slag is added. The mixed slurry is then pumped down the well. Pilottests ensure the correct composition of the slag-mix.

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