
塔河 X 区块碳酸盐岩储层特征

摘要

石油作为人类生活中不可或缺的重要能源,近几年来在石油开采行业在不断地发展和进步的同时,人们对它的关注也提高了许多。水平井的研究可以为我国油层评价提供很多的资料,并且对我国油气藏认识有很大的帮助,从而大幅度提高油气勘探开发的社会效益和经济效益。在上个世纪八十年代水平井完井技术诞生,水平井完井技术的诞生也使我国的石油开采有了一定发展。水平井完井技术在我国石油开采领域起着举足轻重的作用。就目前来讲,水平井完井技术直接影响着全球石油领域的发展。所以选择更好的完井方式显得尤为重要。本文主要以塔河油田 X 区块的碳酸盐岩储层为基础,首先对该地区的储层性质有一定研究了解,其次找到适合该地区的完井方式并且对其完井方式进行优选。优选适用于塔河 X 区块碳酸盐岩储层的水平井完井工艺参数,有针对性地给出适合塔河 X 区块碳酸盐岩储层的增产措施,对水平井完井技术对该区块的要求进行系统研究与应用。

关键词: 碳酸盐岩、水平井、完井技术、增产措施

Abstract

As an indispensable and important energy source in human life, oil has attracted more and more attention in recent years when the oil exploitation industry is developing and progressing continuously. The study of horizontal Wells can provide a lot of information for reservoir evaluation in China, and is of great help to the understanding of oil and gas reservoirs in China, thus greatly improving the social and economic benefits of oil and gas exploration and development. In the 1980s, the birth of horizontal well completion technology also led to the development of China's oil exploitation. Horizontal well completion technology plays an important role in the field of oil exploitation in China. At present, horizontal well completion technology has a direct impact on the development of the global oil field. So it is important to choose a better completion method. This paper is mainly based on the carbonate reservoir in block X of the oilfield. Firstly, it has a certain research and understanding of the reservoir properties in this area, and then it finds the completion method suitable for this area and optimizes its completion method. The horizontal well completion process parameters applicable to the carbonate reservoir in the block X are preferred. The stimulation measures suitable for the carbonate reservoir in the block X are pointed out, and the requirements of horizontal well completion technology on this block are systematically studied and applied.

keywords: Carbonate rock, horizontal well, completion technology, stimulation

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