

致密油与页岩油的概念与应用

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Definition and application of tight oil and shale oil terms

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摘要

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摘要 通过国内外大量的文献调研,了解和分析了致密油和页岩油术语的不同含义与应用情况,对比了它们之间的异同点,并提出了应用和完善致密油和页岩油概念的建议。致密油含义有广义与狭义之分;页岩油除用于指油页岩加工的石油外,其含义也有广义和狭义之分。致密油与页岩油异同点表现为3种情况:①致密油与页岩油概念完全不同,属于不同的非常规石油资源类型;②致密油与页岩油含义完全相同,可以互换使用;③致密油与页岩油概念既有关系,也有差别。在应用致密油和页岩油术语时,要遵循“尊重习惯、方便交流”的原则。致密油和页岩油有不同含义,不要只从字面上机械理解,要真正理解它们的实际内涵。对于致密油和页岩油术语使用中遇到的问题,应采取“不断完善,适时修正”的原则,不断完善致密油和页岩油术语的定义,使它们的定义和应用更加科学、规范,同时也要方便、适用和与国际接轨。

关键词: [概念](#) [致密油](#) [页岩油](#) [非常规资源](#)

Abstract: Based on a thorough literature investigation and a detailed analysis of the meanings and applications of the tight oil and shale oil terms, this paper compares their similarities and differences, and presents suggestions for a better understanding and application of the two terms. Though shale oil also refers to the crude generated through processing kerogen from shale rocks, both terms bear broad and narrow senses when used to indicate the oil from shale or shale-like formations. The current usage of the two terms can be summarized and described in the following three scenarios: (1) They refer to different kinds of unconventional resources, therefore are regarded as totally different from each other; (2) They are thought to be identical and are used alternatively; (3) They are different but also inherently connected. It is suggested that when using the terms, we shall follow the rule of "showing respect to customs and facilitating communications" and try to understand fully their connotations and extensions instead of only reading the lines. To tackle problems encountered during using or understanding the terms, we also shall adapt the policy of "continuous perfecting and timely modification" so as to achieve a more objective definition of the terms. Meanwhile, their international applicability shall also be taken into consideration.

Keywords: [definition](#) [tight oil](#) [shale oil](#) [unconventional resource](#)

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