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PROCESS AND PRODUCT TECHNOLOGY

湿活性炭储天然气方法

周理[a],孙地[a],苏伟[a],周亚平[b]
[a] High Pressure Adsorption Laboratory（State Key Laboratory of Chemical Engineering）, School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China
[b] Department of Chemistry, School of Science, Tianjin University, Tianjin 300072, China
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摘要 Storing natural gas in wet active carbon is a recently proposed method. The research progress shows that this method considerably decreases the storage pressure while maintaining the storage capacity equal to or even higher than compressed natural gas（CNG）. There is no requirement of pre-
sifting anny component out of natural gas for the storage, and the thermal effect on fast charging/discharging has almost no effect on the storage capacity. The charging and discharging processes are reversible and show good dynamic behavior. Although the storage temperature is a little lower than the ambient, the new method seems technically and costly more competitive than the available methods.

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Natural Gas Storage in Wet Active Carbons—— A Report on Research Progress

ZHOU Li[a], SUN Yan[a], SU Wei[a], ZHOU Yaping[b]
[a] High Pressure Adsorption Laboratory（State Key Laboratory of Chemical Engineering）, School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China
[b] Department of Chemistry, School of Science, Tianjin University, Tianjin 300072, China
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Key words natural gas; storage; wet activated carbon

通讯作者:
周理 zhouli@tju.edu.cn
作者个人主页: 周理[a]; 孙地[a]; 苏伟[a]; 周亚平[b]

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