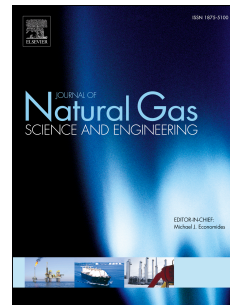


# Accepted Manuscript

Investigation of relative flow characteristics of brine-saturated reservoir formation: A numerical study of the Hawkesbury formation

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**Cover letter**

Dr David Wood  
Editor-in-Chief  
Journal of Natural Gas Science and Engineering

26 November 2016

Dear Dr David,

***Title: Investigation of Relative Flow Characteristics of Brine-saturated Reservoir Rock: A Numerical Study of the Hawkesbury Formation.***

We are submitting this paper to Journal of Natural Gas Science and Engineering. Its appropriateness is explained below.

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This paper belongs to the category: CO<sub>2</sub> sequestration in deep saline aquifers.

Following an exhaustive review of the scientific and technical information available, the United Nations Intergovernmental Panel on Climate Change (UNIPCC) has labelled evidence for the recent global warming trend “unequivocal” and stated that the majority of global warming “is very likely due to the observed increase in anthropogenic [greenhouse gas] concentrations” (UNIPCC 2007, p. 39). The threat to humanity posed by anthropogenic global warming is now universally accepted, and recognized as humanity’s most serious challenge. Urgent action against global warming is an imperative. To combat climate change and provide cleaner energy to the world’s communities, we have carried out an extensive numerical study, and its findings are given in the paper. We believe our findings are of importance globally, and that it is especially aligned with the aims of Journal of Natural Gas Science and Engineering.

I hope that our paper generate much interests to the Scientific community.

Yours sincerely,

Tharaka

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