Accepted Manuscript

A distributed parallel direct simulator for pore-scale two-phase flow on digital rock images using a finite-volume-based implementation of the phase-field method

Faruk O. Alpak, Alexander Samardžić, Florian Frank

PII: S0920-4105(17)30905-1

DOI: 10.1016/j.petrol.2017.11.022

Reference: PETROL 4438

To appear in: Journal of Petroleum Science and Engineering

Received Date: 24 June 2017

Revised Date: 27 October 2017

Accepted Date: 9 November 2017

Please cite this article as: Alpak, F.O., Samardžić, A., Frank, F., A distributed parallel direct simulator for pore-scale two-phase flow on digital rock images using a finite-volume-based implementation of the phase-field method, *Journal of Petroleum Science and Engineering* (2017), doi: 10.1016/j.petrol.2017.11.022.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



A Distributed Parallel Direct Simulator for Pore-Scale Two-Phase Flow on Digital Rock Images Using a Finite-Volume-Based Implementation of the Phase-Field Method

Faruk O. Alpak, Shell International Exploration and Production Inc.

Alexander Samardžić, Contractor

Florian Frank, Rice University

Download English Version:

https://daneshyari.com/en/article/8125000

Download Persian Version:

https://daneshyari.com/article/8125000

<u>Daneshyari.com</u>