Accepted Manuscript

Rapid Imbibition of Water in Fractures within Unsaturated Sedimentary Rock

C.-L. Cheng, E. Perfect, B. Donnelly, H.Z. Bilheux, A.S. Tremsin, L.D. McKay, V.H. DiStefano, J.C. Cai, L.J. Santodonato

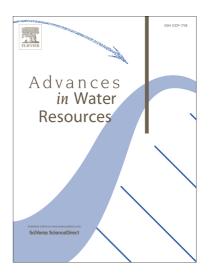
PII: S0309-1708(15)00012-3

DOI: http://dx.doi.org/10.1016/j.advwatres.2015.01.010

Reference: ADWR 2324

To appear in: Advances in Water Resources

Received Date: 16 September 2014 Revised Date: 18 January 2015 Accepted Date: 19 January 2015



Please cite this article as: Cheng, C.-L., Perfect, E., Donnelly, B., Bilheux, H.Z., Tremsin, A.S., McKay, L.D., DiStefano, V.H., Cai, J.C., Santodonato, L.J., Rapid Imbibition of Water in Fractures within Unsaturated Sedimentary Rock, *Advances in Water Resources* (2015), doi: http://dx.doi.org/10.1016/j.advwatres.2015.01.010

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.

ACCEPTED MANUSCRIPT

RAPID IMBIBITION OF WATER IN FRACTURES WITHIN UNSATURATED SEDIMENTARY ROCK

C.-L. Cheng^{1,2*}, E. Perfect^{3*}, B. Donnelly³, H.Z. Bilheux⁴, A.S. Tremsin⁵, L.D. McKay³, V.H. DiStefano^{6,7}, J.C. Cai⁸, and L.J. Santodonato⁹

- ¹ Department of Physics and Geology, University of Texas Pan American, Edinburg, TX 78539, USA
- ² Department of Mechanical Engineering, University of Texas Pan American, Edinburg, TX 78539, USA
- ³ Department of Earth and Planetary Sciences, University of Tennessee Knoxville, Knoxville, TN 37996, USA
- ⁴ Chemical and Engineering Materials Division, Oak Ridge National Laboratory, Oak Ridge, TN 37831, USA
- ⁵ Experimental Astrophysics Group, Space Sciences Laboratory, University of California, Berkeley CA 94720, USA
- ⁶ Bredesen Center for Interdisciplinary Research and Graduate Education, University of Tennessee – Knoxville, TN 37996, USA
- ⁷ Chemical Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN 37831, USA
- ⁸ Institute of Geophysics and Geomatics, China University of Geosciences, Wuhan 430074, P.R. China
- ⁹ Instrument and Source Design Division, Oak Ridge National Laboratory, Oak Ridge, TN 37831, USA
- * Corresponding author
 e-mail: chengc@utpa.edu, phone: +1-956-665-2464

Download English Version:

https://daneshyari.com/en/article/6380968

Download Persian Version:

https://daneshyari.com/article/6380968

<u>Daneshyari.com</u>