

Accepted Manuscript

Non-linear Seepage Characteristics and Influential Factors of Water Injection in Gassy Seams

Weimin Cheng, Zhen Liu, He Yang, Wenyu Wang

PII: S0894-1777(17)30298-4

DOI: <https://doi.org/10.1016/j.expthermflusci.2017.10.002>

Reference: ETF 9226

To appear in: *Experimental Thermal and Fluid Science*

Received Date: 2 June 2017

Revised Date: 28 July 2017

Accepted Date: 2 October 2017

Please cite this article as: W. Cheng, Z. Liu, H. Yang, W. Wang, Non-linear Seepage Characteristics and Influential Factors of Water Injection in Gassy Seams, *Experimental Thermal and Fluid Science* (2017), doi: <https://doi.org/10.1016/j.expthermflusci.2017.10.002>

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.



Non-linear Seepage Characteristics and Influential Factors of Water Injection in Gassy SeamsWeimin Cheng^{a, b}, Zhen Liu^{a, b, *}, He Yang^{a, b}, Wenyu Wang^{a, b}

^a College of Mining and Safety Engineering, Shandong University of Science and Technology, 579 Qianwangang Rd, Huangdao District, Qingdao 266590, PR China.

^b State Key Laboratory of Mining Disaster Prevention and Control Co-founded by Shandong Province and the Ministry of Science and Technology, Shandong University of Science and Technology, Qingdao 266590, PR China

Corresponding author: Zhen Liu

Address: Room 225, College of Mining and Safety Engineering, Shandong University of Science and Technology, 579 Qianwangang Rd, Huangdao District, Qingdao 266590, PR China.

Tel: +86-13954252676

E-mail: liuzhensdust@163.com

Orcid: 0000-0002-5683-9775

Acknowledgments

This work was financially supported by National Natural Science Foundation of China (Project No. 51574158, 51604168), Natural Science Foundation of Shandong Province (CN) (Project No. ZR2014EEQ038, ZR2016EEQ18), China Postdoctoral Science Foundation funded project (Project No. 2016M592222), Specialized Support for the Postdoctoral Application Research Program of Qingdao (Project No. 2016123), Scientific Research Foundation of Shandong University of Science and Technology for Recruited Talents (Project No. 2015RCJJ046).

Download English Version:

<https://daneshyari.com/en/article/7051869>

Download Persian Version:

<https://daneshyari.com/article/7051869>

[Daneshyari.com](https://daneshyari.com)