

Yang Ruiyue

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Education

Ph.D., Drilling Engineering, China University of Petroleum (Beijing), 2014-2017

Visiting Ph.D, Petroleum Engineering, The University of Texas at Austin, 2015-2016

B.S., Petroleum Engineering, China University of Petroleum (Beijing), 2008-2012

Research Areas and Interests

High Pressure Waterjet Theory & Application

Completion Optimization

Fluid Flow Modeling in Coalbed Methane Reservoirs and Flowback Analysis

Teaching

High Pressure Waterjet Theory & Application; Well Completion Engineering

Professional Experiences

2017.07-present, Assistant Professor, Department of Petroleum Engineering, China University of Petroleum-Beijing, China

Selected Publications

1. Ruiyue Yang, Zhongwei Huang, Gensheng Li. et al. 2018. An Integrated Workflow to Design Screen/Slotted Liners in Geothermal Wells. *Geothermics*.72:277-287. (SCI&EI).
2. Ruiyue Yang, Zhongwei Huang, Gensheng Li. et al. 2017. A Semi-Analytical Approach to Model Two-phase Flowback of Shale Gas Wells with Complex Fracture Geometries. *SPE Journal*. 22(06):1808-1833. SPE-181766-PA. (SCI&EI).
3. Ruiyue Yang, Zhongwei Huang, Gensheng Li. et al. 2017. Integrity Testing of Polyvinyl Chloride (PVC) Slotted Liner for Horizontal Coalbed Methane Wells. *SPE Drilling & Completion*. 32(02):86-96. SPE-185958-PA. (SCI & EI).
4. Ruiyue Yang, Zhongwei Huang, Gensheng Li. et al. 2017. A Semianalytical Method for Modeling Two-phase Flow in Coalbed Methane Reservoirs with Complex Fracture Networks. *SPE Reservoir Evaluation & Engineering*. SPE-189459-PA (Preprint). (SCI&EI).
5. Ruiyue Yang, Zhongwei Huang, Wei Yu. et al. 2016. A Comprehensive Model for Real Gas Transport in Shale Formations with Complex Non-planar Fracture Networks. *Scientific Reports*. 6, 36673. (SCI).
6. Ruiyue Yang, Zhongwei Huang, Gensheng Li. et al. 2015. Slotted Liner Sheathing Coiled Tubing-a New Concept for Multilateral Jetting in Coalbed Methane Wells and Laboratory Tests of Tubular Friction Performance". *Journal of Natural Gas Science and Engineering*. 9(26):1332-1343. (SCI & EI).
7. Ruiyue Yang, Zhongwei Huang, Gensheng Li. et al. 2016. An Innovative Approach to Model Two-Phase Flowback of Shale Gas Wells with Complex Fracture Networks. SPE-181766-MS, presented at the *SPE Annual Technical Conference and Exhibition*, Dubai, UAE, 26–28 September 2016. (EI)