

LIU Yuetian

Ph.D., Professor

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Education

Ph.D., Petroleum Engineering, China University of Petroleum (China), 1999

M.S., Fluid Mechanics, Peking University (China), 1989

B.S., Mechanics, Peking University (China), 1986

Research Areas and Interests

Fluid flow in porous media, and Rock-fluid interactions;

Petroleum reservoir simulation;

Oil & gas field development and management;

Fractured reservoirs development

Teaching

Petroleum reservoir simulation; Integrated reservoir management; Numerical experiment

Professional Experiences

1989.07-1992.06, Assistant, Department of Petroleum Engineering, China University of Petroleum-Beijing, China

1992.06-1996.06, Lecturer, Department of Petroleum Engineering, China University of Petroleum-Beijing, China

1996.06-2004.06, Associate Professor, Department of Petroleum Engineering, China University of Petroleum-Beijing, China

2000.01-2000.07, Visiting Scholar, Department of Petroleum Engineering, Colorado School of Mines, USA

2008.01-2016.06, Director, Department of Oil & Gas Field Development, College of Petroleum Engineering, China University of Petroleum-Beijing, China

2004.06-present, Professor, Department of Oil & Gas Field Development, College of Petroleum Engineering, China University of Petroleum-Beijing, China

Other Appointments

Associate Director, Academic Board of College of Petroleum Engineering, China University of Petroleum-Beijing

Member, editorial board for Petroleum Exploration and Development

Member, National intellectual property experts of China

Other Professional Affiliations

Member of Society of Petroleum Engineers (SPE);

Member of Chinese Petroleum Society (CPS)

Member of Committee of Experts on China ' s Energy Society

Honors and Awards

Science and Technology Progress Award of China Petroleum and Chemical Industry Federation, 2014

Beijing Science and Technology Progress Award, 2013

Beijing Science and Technology Progress Award, 2010

Beijing Science and Technology Progress Award, 2001

Science and Technology Progress Award of Ministry of education of China, 1997

Selected Publications

1. Yuetian Liu*, Zupeng Ding, Kun Ao, Yong Zhang, Jun Wei Manufacturing Method of Large-Scale Fractured Porous Media for Experimental Reservoir Simulation, SPE Journal, December, 2013.
2. Shaohua Gu, Yuetian Liu*, Zhangxin Chen. Numerical Study of Dynamic Fracture Aperture during Production of Pressure-sensitive Reservoirs. International Journal of Rock Mechanics and Mining Sciences.2014 (70) 229-239
3. Junlai Wu, Yuetian Liu*, Haining Yang. New Method of Productivity Equation for Multi-branch Horizontal Well in Three-Dimensional Anisotropic oil reservoirs. Journal of Energy Resources Technology. Vol. 134(3), 2012.
4. Shaohua Gu, Yuetian Liu*, Zhangxin Chen Cuiyu Ma. A Method for Evaluation of Water Flooding Performance in Fractured Reservoirs. Journal of Petroleum Science and Engineering 120 (2014), 130-140.
5. Wenhuan Gu, Yuetian Liu*, Feifei Luo. The Influence of Sedimentary Microfacies Distribution on Fishbone Wells Steam Stimulation Effect. Petroleum Science and Technology. Vols 31(4), pp 388-398, 2013.
6. Liu Yuetian, Ding Zupeng, Qu Yaguang, Zhao Chenjun. The characterization of fracture orientation and the calculation of anisotropic permeability parameters of reservoirs. Acta Petrolei Sinica, 2011.9,32(5):842-846 (in Chinese).
7. Liu Yue-tian. Methodology for horizontal well pattern design in anisotropic oil reservoirs. Petroleum Exploration and Development. 2008,35(5):619-624.
8. Liu Y.T. The performance analysis and optimal design for well patterns in anisotropic Reservoirs. Petroleum Science, 2008,5(3):251-257
9. Liu Yuetian, Zheng Wenkuan, Ding Zupeng, Liu Jian. Physical Simulation of Fractured Petroleum Reservoir Development. Science Press, 2017.
10. Ge Jiali, Liu Yuetian, Yao Yuedong. The Modern Mechanics of Fluids Flow in Oil Reservoirs. Beijing: Petroleum Industry Press, 2003.