

Bingjun Zhang

EDUCATION

China University of Petroleum at Beijing (CUP) 2007 - 2011
Bachelor of Engineering (**with honors**), Engineering of Oil & Gas Storage and Transportation

PROFESSIONAL & RESEARCH EXPERIENCE (SELECTED)

[3] Researching and Teaching Assistant, Piri Research Group, University of Wyoming 2016-Current
[2] Research Engineer, Petroleum Engineering Technology Research Institute(PETRI) of Sinopec Eastern China Branch 2011 –2016

- **Design of gathering-processing system for the first Coalbed Methane (CBM) field of SINOPEC**
 - Reduced 25% investment by optimizing “bi-stage booster station” arrangement system
 - Determined the position of gathering station and gas processing plant by modeling of gathering radius et al.
- **Planning of the first shale gas gathering pipeline for Sinopec in Pengshui**
 - Designed the pipeline based on shale gas producing property and field topography
 - Resolved the excessive water issues in the compressed natural gas (CNG) station by designing bi-stage water-gas separation system
- **Study on oil gathering system efficiency enhancement techniques**
 - Tested the phase-transition point of oil-water emulsion, optimizing gathering, and processing system to overcome multi-phase flow issue
 - Raised solutions that improved efficiency by 18.2%

[1] Research Undergraduate, Liang Research Lab, CUP 2010-2011

HONORS AND AWARDS (SELECTED)

- First Prize in Research Project Assessment of PETRI (3/83) 2015
- Second Prize in Paper Seminar of PETRI 2014
- Excellent Employee of PETRI 2013
- Outstanding Volunteer at SINOPEC East China Branch 2012
- Outstanding Undergraduate of Beijing 2011
- Excellent Graduation Thesis at CUP 2011
- Excellent Volunteer for Beijing 2008 Olympics 2008
- China National Scholarship (top 1%) 2008

PUBLICATIONS

- [2] **B. Zhang**, *Saturated Water Condensation Process and Corresponding Collecting Methods* (in Chinese), the Second Oil & Gas Field Surface Engineering Conference, Yinchuan, China, June 2015
- [1] **B. Zhang**, K. Ren and L. Meng, *Current situation and study on CBM transportation Methods in China* (in Chinese), China Coalbed Methane, 2014, 11(2):37-40

RESEARCH INTEREST

- [1] Nanoparticle application in EOR
- [2] Molecular dynamics
- [3] Petroleum production engineering and pipeline engineering