

SHEN Zhonghou

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Education

B.S., Department of mine and metallurgy, Chongqing University, 1951

Research Areas and Interests

Fluid mechanics in petroleum engineering

Downhole mechanics, information and control engineering

High pressure water jet

Teaching

Well Drilling Engineering

Fluid Jet Technology---Fundamentals and Applications

Professional Experiences

1951-1962, Chongqing University

1962-1983, Department of Petroleum Engineering, Beijing Institute of Petroleum

1983-1991, Department of Petroleum Engineering, East China Petroleum Institute

1991-Present, Department of Petroleum Engineering, China University of Petroleum (Beijing)

1981.03-1981.07, Department of Petroleum Engineering, University of Louisiana, Visiting Scholar

1987.11-1988.02, Department of Petroleum Engineering, University of Texas at Austin, Senior Visiting Scholar

1991.02-1991.09, Tohoku University, Visiting Scholar

Other Appointments

Director of Academic Committee of National Engineering Laboratory of Oil and Gas Drilling Technology.

Senior consultant & director of Academic Committee of China Association of Industrial Cleaning.

Member of Academic Committee of China University of Petroleum (Beijing).

Consultant of President of China University of Petroleum (East China), vice director of School

Administration Committee of China University of Petroleum (East China).

Member of Academic Committee of CNOOC EOR Institute, vice director of Sinopec EOR Academic Committee.

Honorary Editor-in-chief & director of Technical Advisory Committee of Petroleum Drilling Techniques, editorial board member of Oil Drilling & Production Technology, editorial board member of Chinese Journal of Hydrodynamics.

Honors and Awards

1. National Technology Invention Award, 2012

2. National Award for Science and Technology Progress, 2007
3. Science and Technology Progress Award of MOE, 2011
4. Technology Invention Award of CPCIF, 2014
5. Science and Technology Progress Award of CPCIF, 2010
6. Beijing Science and Technology Award, 2011
6. Science and Technology Progress Award of Shandong province, 2005

Selected Publications

1. **Shen zhonghou**, Wang Haizhu, Li Gensheng. Numerical simulation of the cutting-carrying ability of supercritical carbon dioxide drilling at horizontal section[J]. Petroleum Exploration And Development, 2011, 02:233-236.
2. **Shen zhonghou**, Wang Haizhu, Li Gensheng. Feasibility analysis of coiled tubing drilling with supercritical carbon dioxide[J]. Petroleum Exploration And Development, 2010, 06:743-747.
3. **Shen zhonghou**, Wang Haizhu, Li Gensheng. Influence of sonic flow on temperature and pressure of bit[J]. Journal of China University of Petroleum (Edition of Natural Science), 2010, 04:67-69+74.
4. **Shen zhonghou**, Huang Hongchun, Gao Deli. Analysis on new development and development trend of worldwide drilling technology[J]. Journal of China University of Petroleum (Edition of Natural Science), 2009, 04:64-70.
5. Wang H, **Shen Z**, Li G. The Development and Prospect of Supercritical carbon dioxide drilling[J], Petroleum science & Technology, 2012.7, 30(16): 1670 – 1676.
6. Wang H, **Shen Z**, Li G. A Wellbore Flow Model of Coiled Tubing Drilling With Supercritical Carbon dioxide [J], Energy sources: Part A, 2012.5, 34(14):1347 – 1362.
7. Li G, Shi H, Liao H, **Shen z**, et al. Hydraulic Pulsed Cavitating Jet-Assisted Drilling[J]. PETROLEUM SCIENCE AND TECHNOLOGY. 2009, 27(P11 9082162712): 197-207.
8. **Shen Zhonghou**. Water Jet Technology in Petroleum Engineering[M]. Petroleum University Press. 1997.
9. **Shen Zhonghou**. Water Jet Theory and Technology[M]. Petroleum University Press. 1998.
10. Li Gensheng, **Shen Zhonghou**. Theory and Application of Self-resonating Cavitating Water Jet[M]. China University of Petroleum Press. 2006.