





AFTAB AHMED MAHESAR



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 Driving license: LTV

Gender Male | DOB 20/03/1982 | Citizenship Pakistani

Education

- 03.2015 - 03.2018
University Project
Pursuing PhD In **Petroleum Engineering**
Mehran University Jamshoro, Pakistan
“Petrophysical properties of Kirthar fold belt region tight gas sands- Implications for petroleum production”
- 2011 - 2014
University Master Courses
Master of Engineering (M.E) In **Petroleum Engineering**
Mehran University Jamshoro, Pakistan
Petrophysics and Well logging Courses, Drilling Engineering, Formation Evaluation, Reservoir Engineering, Production Engineering, Enhanced Oil Recovery Techniques (EOR), Fluid Properties measurements and analysis through laboratory, Natural Gas Engineering, Petroleum Geology, Good Knowledge of Industry Standard softwares SAPPHIRE, KAPPA ETC.
- Bachelor of Engineering
1999-2003
Bachelor of Engineering (B.E) in **Petroleum and Natural Gas Engineering**
Mehran University Jamshoro, Pakistan
Reservoir Engineering, Production Engineering, Enhanced Oil Recovery Techniques (EOR), Fluid Properties measurements and analysis through laboratory etc.

Experience

- Institute of Petroleum and Natural gas engineering
Mehran University Jamshoro, Pakistan
- 2014 – Till to date
Assistant Professor
Teaching and Research
- 2004 – 2014
Lecturer
Teaching and Lab Supervision

Field Experience

- Six week internship with Oil & Gas Development Company Ltd at Tando Alam Oil Complex near Hyderabad Sindh Pakistan.
Six week attachment with Oil & Gas Development Company Ltd (Head office Islamabad EP&SD).
Six week attachment with Oil & Gas Development Company Ltd (Head office Islamabad Exploration and reservoir engineering department E&RE).

Acievements

- 2006 2nd position in Computers im Alle Pakistan Digitale Ausstellung
2006 Chair-Society of Petroleum Engineers - SPE, Richardson Texas
2001 Best Student Award
2000 Debate comptetion award
2002 Essary writing competion Award

Additional charges

- 2008-2014 Member Board of Studies
2007 Class Advisor for 3rd year student
2009 Chair-Society of Petroleum Engineers - SPE, Richardson Texas
2012 Department Master Co-ordinator

M.E Project supervision

1. Transportation of heavy crude oil through mix alcoholic, Completed in year, 2016
2. Formation evaluation of u unconventional reservoir at lower Indus basin of Sindh, completed in year 2015.
3. The comparative study and performance analysis of diesel oil base mud with vegetable oil base mud, completed in year 2015.
4. Investigate Rheological properties of heavy crude at atmospheric condition, completed in year 2015.

Programming

Software Petroleum industry
standard
CAD
EDV

Matlab, C++ Eclipse
simulation PETEX
suite of IPM MS
Office, Windows,

Language skills

English,
Urdu
Sindhi

Professional Affiliation

Member, Pakistan Engineering Council.
Member, Society of Petroleum Engineers Int.

INTERESTS

Sport (Cricket, Football, Table tennis/Hiking) Lesen (Badminton / Magazine, watching movies).

Research Publications

JOURNAL PAPERS

1. Shar, A. M., **Mahesar, A. A.**, Chandio, A. D., & Memon, K. R. (2016). Impact of confining stress on permeability of tight gas sands: an experimental study. Journal of Petroleum Exploration and Production Technology, 1-10.springer
2. Abdul Majeed and **Aftab Ahmed Mahesar**. Pakistan's Kirthar fold belt tight-gas reservoirs show development potential. Oil and Gas Journal Dec, 05, 2016 Penwell publishing Oklahoma, USA
3. Shar, A. M, **Mahesar, A. A.**, M.A KALHORO, and KA KALHORO. "Experimental Investigations to Study the impact of Pore Fluid Chemistry on Tight Sands Permeability." Sindh University Research Journal-SURJ (Science Series) 49, no. 1 (2017).
4. **Mahesar, A. A.**, Shar, A. M, Memon, K. R, Memon HUR and Baladi S.A (2017). Experimental Study on Gas Slippage effect of gas on Tight Gas Sands in Kirthar Fold Belt Sindh, Pakistan. Accepted for publication Mehran University Research Journal of Engineering and Technology.
5. **Mahesar, A. A.**, SHAR, A. M, Memon, K. R, Memon HUR and Tunio AH (2017). Comparison of Klinkenberg-Corrected Gas and Liquid Permeability in Kirthar Fold Belt Tight Gas Sands. Accepted for publication Mehran University Research Journal of Engineering and Technology.

CONFERENCE PAPER :

1. **Mahesar A. A**, M. A.Shar, A. A., Memon HUR and Jokhio S.A (2016). Petro-physical Properties of Kirthar Fold Belt area Tight Gas Sands-Implications for Resource Development. 1st International conference held on unconventional hydrocarbon resources Islamabad Pakistan May, 30 and 31st 2016 at Serena hotel Islamabad.
2. Comparative Study of Rheology of AV and light crude oil for pipe line transmissibility.International conferece on industrial engineering and management application .(IEMA-2017) MUET Jamshoro
Khalique Wazir, **Aftab Ahmed** , Khalil Rahman Memon.
3. Environmental impacts of Drilling fluids and cuttings from the on shore oil wells of lower indus basin of Sindh.
Sagar S, **Aftab Ahmed** , Khalil rahman Memon.
4. “Experimental study of oil base mud to minimize impact of environment by using deferent vegetable oils” “National conference environment engineering management Mehran UET Jamshoro, Sindh, Pakistan“
Sundar Sham , **Aftab Ahmed** , Khalil Rahman Memon 2016.