



Curriculum Vitae – Ali Shariat, Ph.D

Executive Summary

More than 7 years of Canadian and International experience

KAPPA Engineering Software, KAPPA technical support in Canada/US, Marketing, Sales, Technical presentations and Consulting. Experienced in Multi-Stage fractured Hz Well test analysis, Production forecast, reserve estimation and well spacing optimization recommendations in Duvernay and Montney formations, tight gas field simulation, water flooding projects, mini-frac tests, SAGD, test design, international well site experience, experienced in type curve matching analysis. Highly motivated, innovative researcher who is experienced in determining new solutions for recovery optimization in experimental reservoir rock, fluid physics and laboratory testing Under supervision of Anadarko and Apache re-evaluated previous gas water Interfacial Tension (IFT) Laboratory results and designed a modeling program that predicts accurate IFT data, at High Pressure/High Temperature conditions, that is being used by reservoir engineers. Developed optimum thermal recovery processes, production and depletion strategies

Ph.D. in Reservoir Engineering and M.Eng in Reservoir Engineering at the University of Calgary and B.Sc. in Petroleum Engineering at Petroleum University of Technology, Iran

Fluent in Farsi and English, Beginner in French

Skills and expertise

- Petroleum Engineering
- Pressure Transient Analysis
- Production logging operations and interpretation
- Expertise in Petrel, CMG, Fekete, Terasim and Matlab, Select EOR, Well Evaluation Model (WEM)
- Expert in Code writing with Visual Basic Programming (Macro)

Employment History

Aug 2013 - present

KAPPA Engineering, Calgary, Canada

Reservoir Engineer

Technical Support, Consulting, Sales and Marketing

March 2012 - August 2013

Petro Management Group Ltd., Calgary, Canada

Reservoir Engineer

Well test data analysis by using KAPPA Software (Rubis, Sapphire, Topaze, Amethys, Diament), mini frac, Multi stage Frac Hz Well, recovery optimization in tight formation, EOR Screening, Pilot design, Log interpretation (MDT, DST, RFT)

Reservoir Simulation (Eclipse), Water Flooding Projects



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- 2007 – 2012** **University of Calgary**
Graduate Teaching Assistant,
Prepare and deliver lectures in Naturally Fractured Reservoirs, Thermodynamic Lab and Fluid Properties, Fluid Flow in Porous Media, Drilling and Well Completion, Well Log Analysis, and Mud Laboratory courses.
Mark assignments and assist students in the lab
- 2006 – 2007** **Research Institute of Petroleum Industry Tehran, Iran**
PVT Laboratory Technician
Conducted preliminary PVT Tests focusing on gas hydrate Estimated production profiles and reserves for internal decision-making
Worked within a multi-disciplinary project team for analysis and modelling
- 2000** **Schlumberger, Bushehr, Iran (Summer Job)**
Field Engineer,
Logged MDT, performed analysis with the result of discovering a water drive reservoir
Developed good knowledge of the use of wellsite logging tools
- 1999** **Karoun Oil Field, Ahwaz, Iran (Summer Job)**
Production Engineer,
Conducted oil sampling and analysis from the well head
Used Excel for data gathering and internal reporting.
Visited numerous well sites and conducted stimulation and acidizing. Performed curve fitting analysis in well testing and identified best match for rock formations and fluid properties

Training

- 2013** **KAPPA Nice, France**
(KAPPA Software:
SAPHIR NL. TOPAZE NL, EMERAUDE, RUBIS. DIAMANT MASTER),
- 2012** **SPE**
EOR Screening,
- 2012** **Schlumberger, Calgary**
OFM
- 2012** **SPE, Calgary**
Field Piloting for EOR/IOR



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- 2011** **University of Calgary, Calgary**
CMG-STARS,
- 2011** **Schlumberger, Calgary**
Petrel Reservoir Engineering,
- 2010** **University of Calgary, Calgary**
H2S Alive
- 2009** **University of Calgary**
WHMIS
- 2007** **University of Calgary, Calgary**
Teaching Assistant Course
- 2006** **Tehran, Iran**
CMG (one week)
- 2003** **TOTAL Energy South Pars Project (phase 2&3), Iran**
Wellsite Safety,
- 2003** **(Dr. Ali Ghalamber), Tehran, Iran**
Underbalanced Drilling

Publications

- A. Shariat, SPE, U. of Calgary; A.R. Behbahaninia, SPE, Kish Petroleum Engineering Co.; and M. Beigy, SPE, Pars Oil and Gas Co, "Block to Block Interaction Effect in Naturally Fractured Reservoirs"., SPE 101733-MS 2006.
- A. Shariat SPE, R. G. Moore, SPE, S. A. Mehta, SPE, and K. C. Van Fraassen, SPE, University of Calgary; K.E. Newsham, SPE and J.A. Rushing, SPE, Apache Corp., "A Laboratory Study of the Effects of Fluid Composition on Gas-Water Interfacial Tension at HP/HT Reservoir Conditions", SPE 146178-PP, Annual Technical Conference and Exhibition (ATCE), 2 Nov 2011, Denver, Colorado.
- A. Shariat SPE, R. G. Moore, SPE, S. A. Mehta, SPE, and K. C. Van Fraassen, SPE, University of Calgary; K.E. Newsham, SPE and J.A. Rushing, SPE, Apache Corp. "Laboratory Measurement of CO₂-H₂O Interfacial Tension at HP/HT Conditions: Implications for CO₂ Sequestration in Deep Aquifers", CMTC-150010-PP, Carbon Management Technology Conference, 7-9 Feb 2012 Orlando, Florida.



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- A. Shariat SPE, R. G. Moore, SPE, S. A. Mehta, SPE, and K. C. Van Fraassen, SPE, University of Calgary and J.A. Rushing, SPE, Apache Corp., “Gas-Water IFT Measurements Using the Pendant Drop Method at HP/HT Conditions: The Selected Plane vs. Computerized Image Processing Methods”, SPE-159394-PP, Annual Technical Conference and Exhibition (ATCE), 8-10 Oct 2012, San Antonio, Texas

Professional Affiliations

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| 2003 – present | Society of Petroleum Engineers-Student Chapter
Member |
| 2004 – present | Calgary Outdoor Club, Calgary
Member |