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EDUCATION

Ph.D. Petroleum Engineering (2011-2015), Missouri University of Science and Technology

M.S. Engineering Management (2012-2015), Missouri University of Science and Technology

M.S. Petroleum Engineering (2004-2008), Tripoli University

B.S Petroleum Engineering (1999-2004), Sirt University

RESEARCH INTEREST

- Deepwater Well Integrity Technologies
- Hydraulic Fracture Stimulations
- Enhanced Oil Recovery from Unconventional and Conventional Resources

M.S. SUPERVISIONS COMPLETED:

1. Dhurgham Kadhim. "Effect of Fracture Heterogeneity on Proppant Transport and Settling Mechanism." June 2017, co-advisor with Dr. Shari Dunn-Norman.
2. Vivekvardhan Kesireddy. "Quantifying Ceramic Proppant Transport in Complex Fracture Networks." August 2017, , co-advisor with Dr. Shari Dunn-Norman
3. Ahmed Aldalfag, "Evaluation of preformed particle gels penetration and propagation behavior for a conformance control treatment in partially open conduits. March 2017, Co-supervisor with Dr. Bai.
4. Hilary Elue. "Evaluation of Preformed Particle Gel Treatment Using Homogeneous and Heterogeneous Models." December 2014. Co-supervisor with Dr. Bai.
5. Ze Wang. "Effect of Reservoir Heterogeneity on Injection Pressure and Placement of Preformed Particle Gel for Conformance Control." October 2016, Co-supervisor with Dr. Bai, 2016.

PUBLICATIONS

Journal Papers:

1. **Imqam, A., Bai, B., Ze, Wang.** 2017, Preformed Particle Gels Transport through Heterogeneous Void Space Conduits. SPE Journal, Preprint, SPE-179705-PA.

2. **Imqam, A.,** Ze, Wang., Bai, B. 2017 The Plugging Performance of Preformed Particle Gel to Water Flow through Large Opening Void Space Conduits. *Journal of Petroleum Science and Engineering*. **156, 51-61.**
3. **Imqam, A.,** Bai, B., Elue, H., Muhammed, F. 2016. Use of Hydrochloric Acid to Remove Filter Cake Damage from Preformed Particle Gel during Conformance Control Treatments. SPE 172352-PA. *SPE-Production & Optimization Journal*. **31 (3):247-257.**
4. **Imqam A.,** and Bai, B. 2015. Optimize the Strength and Size of Preformed Particle Gels for Better Conformance Control Treatment. *Fuel Journal*. **148, 178-185.**
5. **Imqam, A.,** Bai, B., Al-Ramadan, M. Delshad, M., Sepehrnoori, K. 2015. Preformed Particle Gel Extrusion through Open Conduits during Conformance Control Treatments. SPE-169107-PA, *SPE- Journal*. **20 (5):1083 - 1093.**

Conference Papers and Technical Presentations:

6. Kadhim, D., **Imqam, A.,** Dunn-Norman, S. 2017. Ceramic Proppant Transport and Placement in Heterogeneous Fracture Systems. Paper URTEC-2697613-MS presented at the Unconventional Resources Technology Conference, Austin, Texas, USA, 24-26 July.
7. Alhuraishawy, K., Sun, X., Bai, B., Wei, M., **Imqam, A.,** Almansour, A. 2017. Improve Plugging Efficiency in Fractured Sandstone Reservoirs by Mixing Different Preformed Particles Gel Size. Paper SPE-188023-MS presented at the SPE Kingdom of Saudi Arabia Annual Technical Symposium and Exhibition, 24-27 April, Dammam, Saudi Arabia.
8. **Imqam, A.,** Aldalfag, A., Bai, B. 2016. Evaluation of Preformed Particle Gels Penetration into Matrix for a Conformance Control Treatment in Partially Open Conduits. Paper **SPE 181545** presented at the SPE Annual Technical Conference and Exhibition, Dubai, UAE, 26-28 September.
9. **Imqam, A.** and Bai, B. 2016. Experimental Methods to Evaluate Preformed Particle Gels. Presented to EOGA- A Flotek Company, January, 27th.
10. Alhuraishawy, Ali., Bai, B., **Imqam, A.** 2016 Coupling low salinity water flooding and PPG to enhanced oil recovery for fractured carbonate reservoir. Paper **SPE 180386** accepted to present at the SPE Western Regional Meeting, Alaska, 23-26 May.
11. Goudarzi, A, **Imqam, A.,** Delshad, M., Bai, B. 2016. Experimental and Simulation Study of Water Shutoff in Fractured Systems using Microgels. Paper **SPE 180375** accepted to present at the SPE Western Regional Meeting, Anchorage, Alaska, 23-26 May.
12. Sujay S., Baojun B., **Imqam, A.** 2016. Preformed Particle Gels Improve Oil Recovery in Mature Oil Field. Paper presented to 78th EAGE Conference and Exhibition. Vienna, Austria. 30 May - 2 June.
13. **Imqam, A.,** Bai, B., Wang, Z., M., Delshad, M. 2016. Effect of Heterogeneity on

- Propagation, Placement, and Conformance Control of Preformed Particle Gel Treatment in Fractures. Paper **SPE 179705** presented at the SPE Improved Oil Recovery Symposium, Tulsa, Oklahoma, 9-13 April.
14. **Imqam, A., Bai, B., Wei, M.** 2015. Combined Conformance Treatment with Mobility Control Improve Oil Sweep Efficiency in Non-Cross Flow Heterogeneous Reservoirs. Paper **SPE 176728** presented at SPE Russian Petroleum Technology Conference, Moscow, Russia. 26-28 October.
 15. **Imqam, A., Bai, B., Wei, M.** 2015. Combined Conformance Treatment with Mobility Control Improve Oil Sweep Efficiency in Non-Cross Flow Heterogeneous Reservoirs. Paper **SPE 176728 (RU)** presented at SPE Russian Petroleum Technology Conference, Moscow, Russia. 26-28 October.
 16. **Imqam, A. and Bai, B.** 2015. Preformed Particle Gels for Conformance Control. Presented to Kemira Company, October, 14th.
 17. **Imqam, A., Bai, B., Delshad, M.** 2015. Preformed Particle Gel Propagation through Super-K Permeability and its Resistance to Water Flow during Conformance Control. Paper **SPE 176429** presented at the 2015 SPE/IATMI Asia Pacific Oil & Gas Conference and Exhibition, Bali, Indonesia, 20-22 October.
 18. **Imqam, A. and Bai, B.** 2015. Preformed Particle Gel Transport and Placement through Void Space Conduits. Presented in the second Semi-Annual Consortium meeting, Houston, Texas, October, 1st.
 19. **Imqam, A., Goudarzi, A., Delshad, M., Bai, B.,** 2015. Development a Mechanistic Numerical Simulator for Preformed Particle Gel Applications in Non-Cross Flow Heterogeneous Reservoirs. Paper **SPE 175058** presented at the 2015 SPE Annual Technical Conference Exhibition, Houston, 28-30 September.
 20. **Imqam, A. and Bai, B.** 2015. Preformed Particle Gel Transport through Super-K Features. Presented in the first Semi-Annual Consortium meeting, April, 27th.
 21. **Imqam, A., Bai, B., Wei, M., Delshad, M., Sepehrnoori, K.** 2014. Characterizations of Disproportionate Permeability Reduction of Particle Gels through Fractures. Paper **SPE 171531** presented at the 2014 SPE Asia Pacific Oil & Gas Conference and Exhibition Submission, Adelaide, Australia, 14 – 16 October.
 22. **Imqam, A., Elue, H., Muhammed, F., Bai, B.** 2014. Hydrochloric Acid Applications to Improve Particle Gel Conformance Control Treatment. Paper **SPE 172352** presented at the NAICE conference, Lagos, Nigeria, 5-7 August.
 23. **F.A. Muhammed, B. Bai., Imqam, A., A.O. Almansour.** 2014. Preformed Particle Gel-Enhanced Surfactant Imbibition for Improving Oil Recovery in Fractured Carbonate Reservoirs. Paper **SPE 170067** presented at the SPE Heavy Oil Conference, Alberta, Canada, 10-12 June.
 24. **Imqam, A., Bai, B., Al-Ramadan, M., Wei, M., Delshad, M., Sepehrnoori, K.** 2014. Preformed Particle Gel Extrusion through Open Conduits during Conformance Control Treatments. Paper **SPE 169107** presented at the SPE Improved Oil Recovery

Symposium, Tulsa, Oklahoma, 12-16 April.

25. Almohsin, Aymen., Bai, B., **Imqam, A.**, Wei, M., Kang, W., Delshad, M., Sepehrnoori, K. 2014. Transport of Nanogel through Porous Media and Its Resistance to Water Flow. Paper **SPE 169078** presented at the SPE Improved Oil Recovery Symposium, Tulsa, Oklahoma, 12-16 April.
26. **Imqam, A.** 2014. Preformed Particle Gel Extrusion through Open Conduits during Conformance Control Treatments. Presented at the *SPE* Improved Oil Recovery Symposium, Tulsa, Oklahoma, 12-16 April.
27. **Imqam, A.** 2014. Preformed Particle Gel Propagation through Open Fracture Reservoirs. Presented at SPE Rocky Mountain/Mid Continent/Eastern North America Paper Contest and Technology Bowl, Tulsa, Oklahoma, April 12th.
28. **Imqam, A.** and Bai, B. 2013. Experimental Methods to Evaluate Preformed Particle Gels. Presented to ConocoPhillips Conformance Control Research Group, Rolla, Missouri, August 21st.
29. **Imqam, A** 2013. Gel Pack Concept to Optimize Particle Gels For Conformance Control Treatments. Poster presented during the 3rd Annual Energy Technology Symposium, Rolla, Missouri, April 15th.
30. **Imqam, A.** 2010. Scale precipitation overview for sandstone oil reservoirs in Amal field. Presented in the weekly Exploration and Appraisal meeting, Suncor Energy Company, March 15th.

Reports

31. Baojun Bai, Shari Dun-Norman, **Abdulmohsin Imqam**, Larry Britt. 2017. Comprehensive Review of Diagnostic Technologies for Hydraulic Fracture Optimization in Unconventional Resources. Submit it to China National Petroleum Corporation (CNPC).
1. Mojdeh Delshad, Baojun Bai, **Abdulmohsin Imqam** *et al* 2016. Water Management in Mature Oil Fields Using Advanced Particle Gels. Final Report to submit to the Department of Energy (DOE). Covering the period from January 2013 to January 2016. RPSEA SUBCONTRACT# 11123-32.
2. Baojun Bai, Shari Dun-Norman, Mingzhen Wei, Parthasakha Neogi, **Abdulmohsin Imqam** *et al* 2015 . Study and pilot test of preformed particle gel conformance control combined with surfactant treatment. Final Report Submitted to the Department of Energy (DOE). Covering the period from November 2012 to August 2015. RPSEA SUBCONTRACT# 11123-14.