

Oualid Boukhemis

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🔗 LinkedIn: [your-link] (optional)

🎯 Professional Summary

Experienced Reservoir Engineer with over 8 years in the oil and gas industry, specializing in reservoir simulation, well test interpretation, production optimization, and mature field redevelopment. Proven ability to utilize industry-leading software (KAPPA, ECLIPSE, OFM, and PETREL) for reservoir characterization and performance prediction. Adept at interdisciplinary collaboration to drive efficient field development and reservoir management strategies.

🎓 Education

MSc in Petroleum Reservoir Engineering

Algerian Petroleum Institute, 2017

Bachelor of Mechanical Engineering

University of M'Sila, 2011

🔧 Technical Skills

- **Software:** ECLIPSE, KAPPA (SAPHIR, TOPAZE, EMERAUDE), OFM, PETREL, COMSOL Multiphysics, Ansys Fluent, WELLCAT, PROSPER
 - **Core Competencies:** Reservoir simulation, pressure transient analysis, rate transient analysis, production forecasting, fluid property analysis, well test design and interpretation, mature field optimization, reserve estimation, field development planning
 - **Tools:** PLT, TDT, RFT, MDT, multiphase pump technologies
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📁 Professional Experience

Reservoir Engineer

SONATRACH – Hassi Messaoud, Alegria

2016 – Present

- Conduct reservoir surveillance and performance monitoring for multiple fields
- Develop and validate reservoir simulation models using ECLIPSE and KAPPA
- Analyze well tests and DSTs to determine reservoir characteristics and guide drilling decisions
- Evaluate reservoir recovery mechanisms and propose EOR strategies
- Collaborate with geoscientists and production engineers for integrated field development planning

- Lead optimization initiatives for mature fields to enhance recovery and extend field life
- Prepare technical reports and presentations for field reviews and audits

CFD Modelling Engineer (Intern)
Renewable Energy Projects, Algeria
2013 – 2014

- Developed fluid flow and heat transfer models using ANSYS Fluent and COMSOL
 - Simulated renewable energy systems and supported design optimization for pilot installations
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🏆 Certifications & Training

- **Advanced WellCat Training** – Halliburton
 - **Certificate in Principles of Energy Engineering**
 - **Reservoir Simulation with ECLIPSE** – Internal SONATRACH Training
 - **Pressure & Rate Transient Analysis** – KAPPA Workshops
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✦ Professional Affiliations

- Member, Society of Petroleum Engineers (SPE)
 - Membre, Association of Mechanical Engineer
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🌐 Languages

- Arabic – Native
- French – Fluent
- English – Professional Working Proficiency