

Chibane Redouane

Инструктор

Биография

A highly accomplished Head of Reservoir Engineering Department and Petroleum Engineering Instructor with more than 15 years of international experience in reservoir simulation, dynamic modeling, petroleum engineering, production optimization, and flow assurance. Brings a strong technical foundation and multidisciplinary expertise across reservoir engineering, production engineering, process engineering, and petroleum fluid analysis, with a demonstrated record of delivering value in complex oil and gas projects.

Proficient in a wide range of petroleum industry software, including Petrel RE, Eclipse, Nexus, Pipesim, MBAL, GAP, PROSPER, PVTP, OLGA, Surfer, Ecrin, Qrod, ScaleChem, and HYSYS. Applies a hands-on approach to field development planning, integrated asset modeling, digital oil-field workflows, and well intervention planning, contributing to increased recovery, reduced OPEX, and improved operational efficiency.

Experience includes collaboration with major IOCs and service providers such as Schlumberger, Halliburton, ENI, Anadarko, and Oxy, fostering strong capability in multicultural and cross-functional environments.

Demonstrated leadership in full-field surveillance, PVT and laboratory analysis, artificial lift systems (ESP, GL, SRP), and flow-assurance risk mitigation in both onshore and remote operations.

A certified instructor with strong pedagogical and technical competence, delivering training on key upstream workflows including EOS modeling, reservoir simulation, integrated production modeling, surface-network optimization, well diagnostics, and lift optimization. Combines analytical depth with clear communication to effectively connect theoretical concepts with practical industry applications.

Профессиональный опыт

Март 2011-Октябрь 2011 - Lab Technicien on Fracturation Fluid QA/QC - Halliburton, Algeria

- First working experience as Lab Technician on Fracturing Fluid QA/QC in the Great Hassi Messaoud Oil Field. The mission was to perform Design of a fracturing fluid proprieties using chemicals before each Frac Job
Frac Job participation: OKM1, MD595, MD511 in Hassi Messaoud Oil Field. 300 Sm³/d additional production

Октябрь 2011-Ноябрь 2013 - Reservoir Engineer Trainee - Algerian Petroleum Institute SONATRACH, Algeria

- - Reservoir Engineering courses
- Field Training: Hassi Messaoud oil Field, Anadarko HBNS Oil Field, Berkaoui Oil Field

Ноябрь 2013-Декабрь 2014 - Reservoir Engineer - ALNAFT, Algeria

- - Approval of field Development Plan
- Check of the application of the government laws and rules in the hydrocarbon Exploration & Production Activity

Январь 2014-Октябрь 2019 - Reservoir Engineer - SONATRACH, Algeria

- Hassi R'mel Gas Field and Periphery, Daily Production Monitoring and Surveillance of 400 Gas wells and 70 Oil wells related to the Huge Hassi R'mel Gas Condensate Field
 - Well implantations for Drilling
 - Well test interpretation and transient rate Analysis PTA, RTA for wells of 50+ well to best fit the dynamic simulation
 - Reservoir Simulation and History match of Hassi R'mel oil rym to maximize recoverable reserves
 - Reservoir and well performance investigation 70+ of oil wells
 - Material balance and Reservoir Dynamic simulation HR, HRS, Oil Rym, GED, TRF, HBKN, ONR, SMZ
 - Monitoring of 32 oil and gas fields with more than 100 wells on the Hassi R'mel periphery with updated technical recommendations
 - POD's Design and reportings, HR, Oil Rym, GED, TRF, HBKN, ONR, SMZ
 - POD Aproval Contribution: BRN, MLE, HBNS and MLN Fields

Октябрь 2019-Март 2022 - Chef Service Techniques Production - SONATRACH, Algeria

- Flow lines and trunk lines optimization studies and Flow assurance evaluation
 - Integrated Reservoir Simulation Reservoir-Well-Surface Network
 - Wells & Network Optimization and investigation projects
 - Digital oil field (Halliburton), reduction of OPEX and additional production of 2000 bbl/d
- Projects achievements
 - AMASSAK oil Field integrated Reservoir-Network Simulation, Rhoud Elbaguel oil fields, Integrated Hamra TAGS & QH Gas Field, Ghardaia Project (29 fields), Rhoud Nouss Complexe Gas & oil Fields, Hassi Messaoud OMG82 and OKN53 oil Satellite, FMIS HMD Digital Oil Field Project with Halliburton, Well and Network modeling Inakamil & Ififan oil fields, Hassi Touareg gas field Integrated Simulation
 - Tubing optimization after comletion: lot of wells
 - ESP design: EMH-1, BMS-8 oil wells and others
 - SRP Design: LTNE-1, ASK107bis, FOK4Z, FOK3, FOK5Z, FOK6Z and others

Март 2022-Апрель 2024 - PVT and Flow Assurance Engineer - SONATRACH, Algeria

- PVT Sampling for Oil and Gas wells, Lab Analyses (LEUTERT Samplers, Core Lab PVT cell and equipments), Oil Characterization, Chromatography Analysis, Asphalten (Onset Point Pressure), Wax analyses (WAT, Wax loop), Mercury Analyses (PE1), Flow Assurance issues project, Flow modeling, Flow simulation and Diagnoses, EOS modeling and simulation
 - PVT Sampling: Bottom hole and surface Sampling: Wells GF13, GF14, GF18, GF21, GF24, GF25, LTNE1, BRS24, BRS25, BRS27 BRS28 and others
 - Asphalten and waxe Analysis: MDR14, MDR4, MDR7 and lot of wells
 - Gas Mercury Analyses: Ahnet wells, GTG Field wells
 - Flow Assurance Study Project: Salt at Oued Noumer and GBRS fields, Paraffine at Rhoud El Baguel, Oued Zin and fokroun oil fields, Liquid carry Over at El Merk Field, Asphalten at GBRS Field, Compressor Deposit at REB Field, Hydrate deposit: REB field

Апрель 2024-Октябрь 2025 - Reservoir Engineer - SONATRACH, Algeria

- Key Projects achievements
 - Development of the mature Djebel Bissa Triasique Gas Field Project, Dynamic Reservoir Simulation and Field Development Plan (Peryphery Hassi R'mel Gas Field)
 - Hassi R'mel LD2 Gas Carbonate Reservoir Project Development and Dynamic Reservoir Simulation, Optimization of number of well drilled (vertical and horizontal with Geostering) to reach 15 million Sm³/d Production
 - Field Daily Monitoring on 500 oil and gas wells, Hassi R'mel Gas Field and Periphery, 20+ wells were selected as candidate for workover to reach 3 million Sm³/d
 - Well and Surface Network Optimization and investigation, additional production of 2 million Sm³/d

Октябрь 2025-По настоящее время - Head Department Sub Surface - Groupement Berkine, Algeria

- Reservoir and Production management of Elmerk Oil Field

Май 2022-По настоящее время - Petroleum Engineering Instructor - Algerian Petroleum Institute, Algeria

- Training of more than 150 new Engineers to integrate the company in:
 - Flow Assurance
 - Surface Production Gathering Network
 - Pipesim Software (Advanced)
 - EOS modeling for simulation using PVTsim
 - Artificial Lift
 - Well Performance
- Разработка учебных программ
- Обучение персонала
- Проведение проверки знаний/ассесмент

Образование и квалификации

Вид	Имя
2005 - 2010, Бакалавр	Hydrocarbon and Chemistry Collegue, Chemical Engineering
2011 - 2013, Бакалавр	Algerian Petroleum Institute, Reservoir Engineering

Язык: Английский, Арабский, Испанский