

POSITION DESCRIPTION
Senior Reservoir Engineer
WesternZagros Resources Ltd.

Date November 2011

Role This position is responsible for maximizing value from the Company's assets through applying reservoir engineering skills including numerical simulation modelling to assess performance of producing fields and generating improvements for existing and planned developments.

Basic Function The primary aim for this role is to provide reservoir engineering support and technical expertise to WesternZagros' exploration and reservoir development team. As a key member of the subsurface technical team, the main focus will be to work closely with geoscience and other engineering discipline team members to ensure effective management of the company's oil and gas assets.

In this role, the incumbent will have a mandate to help grow and optimize the performance of producing assets and discoveries pending development through providing reservoir engineering expertise to increase the profitability of each field in the company's portfolio.

Reports to General Manager, Petroleum Engineering
Location Calgary, Alberta

Responsibilities

- Carry out technical studies to support new well proposals, drilling, completion and testing programs
- Forecast production and ultimate recovery of potential prospects
- Plan and conduct reservoir development studies using reservoir simulation to evaluate and determine optimal designs
- Conduct fluid characterization studies for gas, gas condensate, and black oil reservoirs
- Conduct reservoir simulation studies of producing and pre-development assets
- Acquire and evaluate pressure transient test, nodal analysis and production data
- Maintain a good understanding of reservoir geology; layering and mapping
- Keep updated company resource assessments and reserve estimates; liaise with external auditor regarding reservoir engineering aspects of resource and reserve assessments
- Assist in the preparation of long range plans and annual budgets

The Individual

The Senior Reservoir Engineer requires the following capabilities:

- Sound knowledge of reservoir engineering principles
- Demonstrated reservoir simulation expertise with CMG IMEX or Eclipse plus modeling with PETEX or equivalent software
- Knowledge of well hydraulics, well flow and artificial lift
- Awareness of latest technology developments concerning well performance data acquisition and interpretation, subsurface modeling
- Understanding of well drilling, completion and well stimulation design and operations
- Experience with improved recovery technology is highly desirable
- Skilled in well test design, supervision and interpretation as well as production logging operations and analysis
- Strong technical confidence complemented with personal drive, resourcefulness, maturity, integrity and sound business sense.
- An outgoing professional who is dynamic and creative, with a high level of integrity and ethics
- Strong technical acumen coupled with an exemplary work ethic
- Ability to interact effectively with peers and management
- The ability to effectively communicate at all levels

Qualifications and Experience

- Bachelor of Engineering degree with specialization in petroleum or related discipline
- Ten to fifteen years reservoir engineering experience with at least seven years in reservoir numerical simulation
- Experience in the Middle East particularly with fractured carbonate reservoirs is highly valued
- Ability to travel on an as-needed basis to Kurdistan, Iraq and to other international locations, with reasonable notice.