Curriculum Vitae – Joop de Wit

Executive summary

Masters in nuclear physics and mathematics from the University of Groningen and over 39 years worldwide oil industry experience. First 15 years as a reservoir engineer for Shell International involved in planning, well testing, reservoir management, numerical simulation, forecasting, economics etc., Now with KAPPA as Senior Technical Engineer in Support and Training. Joop is a trainer in transient analysis, production logging, production analysis and numerical simulation. Fluent in English, German, Dutch, and conversational French.

Employment History

2008 to date **KAPPA:** Based in Perth, Australia. Senior Technical and Support Engineer teaching clients throughout the world of the Workstation suite. Consulting in transient and production analysis for clients such as Shell, Chevron, Hess and Aramco. Integrated workflow development of the flow of dynamic data: acquiring the relevant data from the data historian(s), preparing it for analysis and linking it to auto-updating analyses modules.

2005 to 2008 **KAPPA:** Based in Bahrain. Head of technical sales support and technical engineer for the Middle East, providing technical assistance, consulting services and training to clients in transient analysis, production logging and production analysis. Working for clients such as Chevron, Shell, Saudi Aramco and ConocoPhillips.

2004 to 2005 **KAPPA:** Based in Sophia Antipolis, France. Head of Technical Support, providing and coordinating technical assistance to clients in transient analysis, production logging and production analysis. Coordinating, and preparing training material for all courses. Designing and delivering courses in all disciplines, developing online help for all applications in particular Ecrin. Providing consulting services in all disciplines to clients such as Saudi Aramco and ConocoPhillips.

1995 to 2004 **KAPPA:** Based in Perth, Australia specialised in the planning, execution and interpretation of well tests and the integration with petroleum engineering objectives. Providing client technical support for Saphir, Topaze, Diamant and Emeraude. Training in transient analysis and broader petroleum engineering subjects. Worked during 2000 and early 2001 for TotalFinaElf Indonesie in Balikpapan on the well testing project: interpretation of transient pressure tests and production logs. Created the well-test database, testing templates etc. Became Regional Manager for KAPPA in South-East Asia in 2001 and was the co-ordinator of the ongoing work for TFE.

1993 to 95 **Mærsk Oil og Gas AS:** Based in Denmark (DUC fields) Senior reservoir engineer working independently in a multi-disciplinary team responsible for new and undeveloped fields comprising a wide range of accumulations: gas (associated and non-associated) and oil (rim) reservoirs in different environments. Extensive use of analytical tools in well test analysis and reservoir simulation.

1992 to 1993 **Hocol S.A. Based in Colombia.** Senior reservoir engineer. Technical support role ensuring quality control for the reservoir engineering section. Built the first in-house full field simulation model (BOSIM) and achieved a successful history match of the main producing field.

1991 -1992 **Shell Gabon:** Head of reservoir engineering. General support role, quality control, development, training and coordination for a section of five reservoir engineers. Main reservoir engineer for the Rabi field (1.5 billion barrels). Initiator and contributor for a new development phase for the Rabi field (+300 MMstb). Consultant/advisor for the ongoing simulation efforts: the Rabi full field reservoir simulation, single well and aquifer modelling (Eclipse). Planning for three more full-field simulation projects. Reservoir engineering focal point for new exploration prospects, i.e. reserves evaluation, forecasting, risk analysis etc.

1990 - 1991   **Shell Gabon:** Supervising reservoir engineer. Evaluation and recommendation of new hard and software for reservoir simulation. Switched to the Eclipse 200 simulator. Focal point for IT, advice and recommendations for all hard and software matters. Second role as economics engineer, main contributor to the special assets evaluation project.

1989 - 1990   **Shell Gabon:** Reservoir engineer for all new fields and exploration prospects. Setting up the first simulation models in Shell Gabon (BOSIM). Use of GASSIM for well test analysis. Economics engineer of all onshore fields and exploration prospects. Included risk analysis and extensive economic modelling.

1987 - 1989   **Nederlandse Aardolie Maatschappij:** Schoonebeek study team: main reservoir engineer, worked almost exclusively with the thermal reservoir simulator (TRS 7) on the successful history match of a low pressure steam flooded reservoir (SI-1). Produced the reservoir engineering part of the final low pressure full field development plan (forecasting, well density patterns, multi billion barrel field)

1985 - 1987   **Nederlandse Aardolie Maatschappij:** Reservoir engineer for the main intermediate/heavy oil fields in West Netherlands and some small gas fields (using the special gas simulator REMCOM)

1983 - 1985   **Brunei Shell Petroleum Company Sendirian Bhd.** Reservoir engineer for onshore light oil reservoirs: oil rim management for hundreds of reservoirs, reservoir engineer for the Roxana project (tertiary recovery: surfactant and polymer flooding)

1982 - 1983   **Brunei Shell Petroleum Company Sendirian Bhd.** Reservoir engineer for onshore heavy oil reservoirs including water injection projects with radioactive tracer testing.

1981 - 1982   **Brunei Shell Petroleum Company Sendirian Bhd.** Wellsite petroleum engineer on development and exploration wells, workover rigs, on and offshore.

1981   **Shell Internationale Petroleum Maatschappij B.V.** Phase I Petroleum Engineering (5 months)

1971 - 1980   **Education:** Kandidaats (first 3½ years) in physics, mathematics, and chemistry. Several courses in geology. Graduation (Drs.) in experimental nuclear physics (hyperfine interactions and stable isotope physics) and mathematics