Multidisciplinary Modeling, Development and Uncertainties on Tsiengui Field, Gabon. A Case Study

Philippe Michel, Pablo Chimienti, Jacqueline Booth, Guillaume Ageneau, and Jose Luis R. Ruiz Corregidor
ADDAX Petroleum, Geneva, Switzerland.

Tsiengui Field have been under appraisal, production and active development onshore Gabon since 2005, to date it has produced a total of 14 MMbbls from both Gamba and Dentale Formations. The producing interval is a thin viscous oil rim overlain by a large gas cap and underlain by a large connected aquifer system with average formation core permeability of 3 Darcies for Gamba Sst and 1 Darcy for Dentale Sst.

This paper presents the lessons learned and the improvements on modelling, both static and dynamic, with the data acquired during field development and the remaining uncertainties.