

## **Redevelopment of a Thin Oil Rim Reservoir Utilizing Lessons Learned, Tsiengui Field, Gabon**

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Tsiengui Field, discovered in 2001 and been in production since 2005, has to date produced a total of 14 MMbbls from both Gamba and Dentale Formations. The oil accumulation is overlain by a large gas cap and underlain by a large connected aquifer system. Gamba Formation in Tsiengui Field shows an exceptional reservoir characteristic with average core porosities of 28% and average core permeabilities of 3 Darcies. Dentale Formation is composed of much more heterogeneous lithologies with reservoir qualities lower than in Gamba Fm, with average core porosity of 26% and core permeability of 1 Darcy.. A redevelopment of the Obangue field has been underway since the end of 2008 with an active drilling and surface development campaign. Lessons learned from the Phase 1 development of the adjacent Tsiengui field have been incorporated into the redevelopment.