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GWL Cluster Meeting
Thursday 19th July 2018 - 6:00 for 6:30pm

Cracking a Brasil Nut: Simple Overview of Santos Pre-Salt Geology & Example Development



Presenter - Gill Scott

The Abstract

BG Brasil (now Shell) with Petrobras and partners signed Concession contracts in the Santos Basin in 2000 and 2001 to explore the Pre-Salt reservoirs. Ten years later, the first field came on stream, with two more in the following 2-3 years. The fields are some 250 km from shore and mainly in water depths of greater than 2000 m. The fields are operated by Petrobras with production through leased or consortium-owned FPSOs of varying size and complexity. The produced oil (30° API) is offloaded via tankers and the gas not used for reinjection is transported to the coast via pipeline.

The first part of this presentation provides an introduction to the Santos Basin Pre-Salt stratigraphy and play with an overview of the Barra Velha reservoir components, mineralogy, depositional model and some comments on reservoir quality and productivity.

The second part of the presentation looks at the fast track development of the Sapinhoá Field and closes with some thoughts on the potential growth of Pre-Salt productivity of the Santos Basin. The Sapinhoá field is one of the largest Brazilian fields with a total recoverable volume estimated at 2.1 bn boe (Petrobras)

The Speaker: After completing a PhD at Southampton University, I joined Robertson Research in October 1982 as a carbonate sedimentologist and worked on Precambrian to Tertiary reservoirs from a range of Middle East countries, South America, Indonesia, and North and West Africa. In September 2000, I moved to PGS Reservoir Consultants in Maidenhead, and started my life as a weekly commuter! Again, mainly focused on carbonate reservoirs, projects ranged from field development to asset valuations and evaluations for A&M and reserves certification, travelling as far afield as New Zealand and Venezuela. In 2008, I became an independent consultant and after supporting the BG Oman team in Muscat, joined the BG Brasil team in Reading, initially contracted for 6 months. After contracting into the team for a number of years, I became staff and left the then Shell-owned company in October 2016. During my 8 years with BG Brasil, the team took on fast track appraisal and very fast track development of two Pre-Salt licence blocks in the Santos Basin, offshore Brasil.

Venue: It will be held at The Royal Cambrian Academy, Crown Lane, Conwy, LL32 8AN (located behind Plas Mawr) and will begin at 6:30pm promptly. Refreshments will be served from 6pm

For further information please contact us: on 01492 592425 or admin@geoscience.wales