GS10

Keynote Address: Geosteering to Consistency - Building Well Placement Teams to Deliver High-Rate Gas Developments Offshore Trinidad

L. de Verteuil* (BG Trinidad and Tobago)

SUMMARY

Summary:

Successful geosteering occurs when incoming reservoir data is interpreted in real-time, in order to model stratigraphy ahead of the bit and guide steering decisions, in an iterative process that keeps the wellbore optimally positioned to achieve long term reservoir management objectives. This process of Proactive Geosteering — putting the reservoir drainhole in the right place — creates significant value. In addition to functioning cutting edge technology — tools, communications, modelling applications — it requires remotely located individuals to collaborate closely in multidisciplinary Well Placement Teams. To consistently deliver top quartile successfully geosteered wells, attention should be paid to adequately resourcing well placement and supporting technical teams and to minimizing personnel turnover during multi-well projects. This paper reviews the journey to fully functioning integrated well placement for an asset team working in Trinidad. Case studies are used to share key lessons learned from three multi-well drilling campaigns over an eight year period.