

Geological Insights: What Makes Guyana so Attractive to Hydrocarbon Explorers?

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ABSTRACT

The 2007 Jubilee Field discovery in the Tano-Ivorian Basin represents the play-opener for a Late Cretaceous sand-prone turbidite channel and fan complexes. Numerous satellite discoveries along the equatorial margin have followed, but this play concept remains untested in many parts of the West African margin as well as the South American conjugate. This presentation presents a regional, geologically-constrained screening methodology that uses regional and global analogues to establish exploration parameters that identify areas for future focus along the West African margin. This methodology demonstrates the importance of integrating geological data regionally through a sequence stratigraphic and geodynamic framework and provides a scientifically accurate workflow for exploring the South American conjugate and highlights why is Guyana such an important place in the Equatorial Atlantic Transform Margin.