

Geosteering Techniques for Thin Reservoirs

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Abstract

The time of an easy oil finding has gone, most of nowadays reservoirs are far from being accessible, easy to find, track and exploit. On the other hand the Drilling and Formation Evaluation tools and techniques have dramatically improved to accommodate these challenges. The Horizontal Wells drilled today was a matter of illusion some twenty years ago. The use of the horizontal drilling technology in Hydrocarbon development and production has grown rapidly over the last decade. One of the main core values for this technology is to achieve commercial successes never achieved in the past by simply exposing more reservoir rock to the well bore surface, this in turn gain more turnaround time production stream assuming an “optimum well placement”.

In this paper I will highlight some of the geosteering challenges encountered and the solutions concluded while geosteering horizontal wells targeting thin reservoirs or simply limited targets.