High-resolution sequence stratigraphy of Cretaceous shallow marine sandstones, Book Cliffs outcrop, Utah, USA-application to reservoir modelling

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Journal name: First Break
Issue: Vol 11, No 10, October 1993 pp. 445 - 459
DOI: 10.3997/1365-2397.19930332
Language: English
Info: Article, PDF (2.53Mb)
Price: € 30

Summary:
In recent years the financial cost of offshore oil and gas field development has promoted intense interest in the quantitative 3D description of hydrocarbon reservoirs, utilizing workstation technology. The main aims of this procedure are to produce volumetric models for the spatial distribution of reservoir/non-reservoir elements, using both deterministic and probabilistic geostatistical techniques to interpolate well data into the inter-well volume.

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