

Deep-water sedimentation in the Alpine Basin of SE France - new perspectives on the Grès d'Annot and related systems

Geological Society - Staircase normal fault geometry in the Grès d'Annot (SE France)

Description: -

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Ten commandments.

Tuscany (Italy) -- Kings and rulers -- Biography.

Holy Roman Empire -- History -- Henry IV, 1056-1106.

Italy -- History -- Germanic rule, 962-1268.

Matilde, di Canossa, contessa, 1046-1115.

Sandstone -- France -- Alpes-Maritimes (Dept.)

Facies (Geology) -- France -- Alpes-Maritimes (Dept.)

Sediments (Geology) -- France -- Alpes-Maritimes (Dept.)

Turbidites -- France -- Alpes-Maritimes (Dept.)

Geology, Stratigraphic -- Tertiary. Deep-water sedimentation in the Alpine Basin of SE France - new perspectives on the Grès d'Annot and related systems

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Synsedimentary tectonics

The authors consider transport and deposition in the deep sea, trace-fossil assemblages, and facies stacking patterns as an archive of the underlying controls on deposit architecture. Down-dip displacement of fault blocks is accommodated by layer-parallel movement.

Onlap architecture

Flows with a high mud content may also be more prone to varying degrees of rheological transformation approaching counter-slopes, resulting in complicated facies distributions at confining basin margins ; ;.

Onlap architecture

Therefore, integrating diagenesis and sequence stratigraphy can provide a better way of predicting reservoir quality. This book aims to inform advanced-level undergraduate and postgraduate students, and professional Earth scientists with interests in physical oceanography and hydrocarbon exploration and production, about many of the discoveries of the Arbroath, Montrose and Forties fields initiated intensive exploration of the Tertiary deep-marine play in the North Sea region.

Deep Water Sedimentation In The Alpine Basin Of SE France

The high-density turbidites onlap against the low-density turbidite slope drapes at an incidence angle almost perpendicular to the slope arrow is paleoflow. Autogenic processes will create short-length-scale heterogeneities in larger-scale and allogenic controlled sequences.

Table DR2 from Deep

LOMAS Baker Atlas Geoscience, UK Published by The Geological Society London. A critical point in the basin fill will then be reached when these deposits heal the confining topography sufficiently to allow bypass of the coarser components of flows over the confining slope, forming a stepped, instead of a ponded, basin.

Geochemical variability

The added value of reflection seismics to the petroleum industry has clearly been proven over the last few decades. Onlap against the fringe drape will continue until it is surmounted and onlap occurs directly against the hemipelagic basin margin. These anticlines were developing during deposition of the Annot turbidites, causing syn-depositional rotation of the basin depocenter towards the west e.

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