

PREVIEWS

A simple sequence stratigraphic framework	<i>Age-constraining sequence stratigraphy for regional isochore mapping can reveal relationships between structural response to far-field tectonic events, oceanographic variations, and stratigraphic architecture as demonstrated in the Niobrara Formation of the Denver-Julesburg Basin.</i>	1293
Paleoenvironments and hydrothermal activity	<i>The objective of this study was to reconstruct the sedimentary environment, hydrothermal activity, and influences on organic matter enrichment during shale deposition from the eastern Xuefeng uplift in the lower Cambrian Niutitang shale, southern China.</i>	1329
Integrated rock classification	<i>A reliable integrated rock classification can significantly improve unconventional reservoir productivity forecasting. Also, geomechanical properties such as in-situ stresses and presence of natural fractures must be taken into account in rock classification for completion decisions.</i>	1357
Measuring permeability	<i>Liquid permeability is estimated from gas permeability, which is easier to measure. On a selection of different sandstones, a sequence of single fluid, liquid, and gas flow-through experiments were performed from which water and gas permeability were determined.</i>	1383
A new conceptual framework	<i>Intrashelf basins like the Houston trough can be significant depocenters for sediment accumulation and reflecting deeper-water deposition with possible anoxia. The Houston trough formed over the former Brazos Basin in the eastern Texas area and affected sedimentation from the Barremian to the Eocene.</i>	1405
Oils of the Nanpu sag	<i>Crude oil samples from the offshore locations of the Nanpu sag are low density and viscosity, indicating good preservation conditions. They are primarily distributed in regions where the thick source rocks interact with faults.</i>	1435
A distinctive deep-water depositional element	<i>Evaluation of deeply buried Pleistocene mass-transport complexes in the northern Gulf of Mexico shows highly variable lithology that is acoustically faster and more resistive than similar mud-rich deposits at a similar burial depth. It also shows velocity and resistivity increasing with depth.</i>	1461
Evaluating fractal models	<i>Fractal analyses from two models were not consistent with the petrographic observations and petrophysical property measurements in the Upper Triassic Yanchang Formation, Ordos Basin. However, results provided by a third model were consistent and can be used to characterize the pore surface roughness in this study.</i>	1491

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