

PREVIEWS

To drill or not to drill	<i>This paper discusses the value of a statistics-based risk approach and where it may be misleading. Past success vs. failure frequency can provide a valuable tool for predicting future success, but the raw frequency needs to be modified arithmetically in order to translate it into a prediction.</i>	137
A new geomechanical restoration technique	<i>A three-dimensional structural geomodel of a hydrocarbon-bearing salt dome in eastern Arabia is constructed from three-dimensional seismic reflection and well data. This approach to the unique problems of salt-related structures is to focus on deciphering components of folding and faulting within strata above the salt.</i>	151
Barents Sea petroleum systems	<i>The objective of this paper is to strengthen the knowledge of the petroleum systems in the Barents Sea based on organic-geochemical parameters. The authors focus on migration-induced and in-reservoir alteration effects, thermal maturation appraisal, and source evaluation.</i>	165
Overpressure evolution	<i>The dominant overpressure mechanism in the Kela-2 gas field, Tarim Basin, China, is disequilibrium compaction associated with horizontal tectonic compression due to high porosity and low density. Overpressure development from 5 Ma is the cause for porosity preservation.</i>	191
Turbidity currents and hydrocarbon reservoirs	<i>Mass-transport deposits affect turbidite systems. Large-scale mass-failures may significantly remold the seafloor over wide areas, affecting turbidity current pathways down the slope, and generating volumetrically significant accommodation within the slide scar.</i>	213
Testing the outcrop-analog approach	<i>Outcrop analogs are used as a basis for forecasting the architecture of subsurface fluvial successions. The use of analog information in the compilation of indicator-variogram models for channel and overbank deposits has been shown in this paper to be effective.</i>	237
System evolved through time	<i>The lowermost strata of the McMurray Formation, northeastern Alberta, had a limited paleodrainage area based on detrital zircon uranium–lead dating, while the middle to upper portion of the formation contained abundant Appalachian and Grenville-derived detrital zircons.</i>	269
Characterizing the Tan-Lu fault system	<i>The Tan-Lu fault system plays an important role in the evolution of the Liaodong Bay subbasin. The heterogeneity of petroleum occurrences is due to variations in source rock, oil catchment area, faulting intensity, and the intensive strike-slip tectonism during the Cenozoic.</i>	289

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ROSWELL (NM)

TBD

SACRAMENTO (CA)

S. T. Hector

SAN ANGELO (TX)

TBD

SAN JOAQUIN (CA)

A. C. Draucker
C. A. Huggins
L. C. Knauer

SHREVEPORT (LA)

O. R. Berg

SOUTH TEXAS

T. J. McGovern
B. R. Weise
M. A. Younger

SOUTHEASTERN (FL)

TBD

TULSA (OK)

D. G. Burdick
N. J. Hyne
K. L. Luchtel Ferguson
J. S. McGay

UTAH

C. D. Morgan

WASHINGTON (DC)

TBD

WEST TEXAS

S. M. Burke
N. J. Entzminger
R. S. Nail
M. A. Raines

WYOMING

L. D. W. George
M. D. Peterson