

PREVIEWS

A technique for better recovery	<i>Offshore fresh–brackish water resources can be utilized by low-salinity water flooding to increase production from offshore oil platforms. A 1000-m-long horizontal well could produce 19,200 m³/day from a relatively permeable aquifer overlain by a moderately tight confining unit.</i>	1
Identifying large-scale water movement	<i>The anomalous self-potential response in the Mesaverde gas interval, Piceance Basin, is best explained by electrokinetic potential formed when water moves through the producing formation from undrilled areas toward producing wells. . . .</i>	19
Initial studies of a tight oil region	<i>Molecular maturity parameters from oil samples from the Lucaogou Formation, Junggar Basin, China, show that they are of low maturity or mature. Parameters related to sedimentary facies suggest that oil was generated from source rocks deposited within a saline lake.</i>	39
A diagenetically controlled microporous system	<i>Carbonates in the Word field, Texas, are characterized by nearly 100% microporosity through grain-to-grain contact in cemented grainstones. This represents a new carbonate flow path that will likely become more important as more unconventional carbonate reservoirs are explored.</i>	73
Implications of unconventional petroleum reservoirs	<i>Hyperpycnal flows (a type of river water turbidity current) supplied not only large amounts of coarse grains and organic material to the deep-water, fine-grained lake sediments, but also affected the ecosystem, resulting in a higher total organic carbon content in the sediments.</i>	95
Potential deep gas plays	<i>This paper documents two lesser-known shelf margin systems with prominent buildups, the Calvin and Winn shelf margins in the northern Louisiana Salt Basin. The lithofacies and pore networks in these deeply buried systems are documented with available core.</i>	119

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