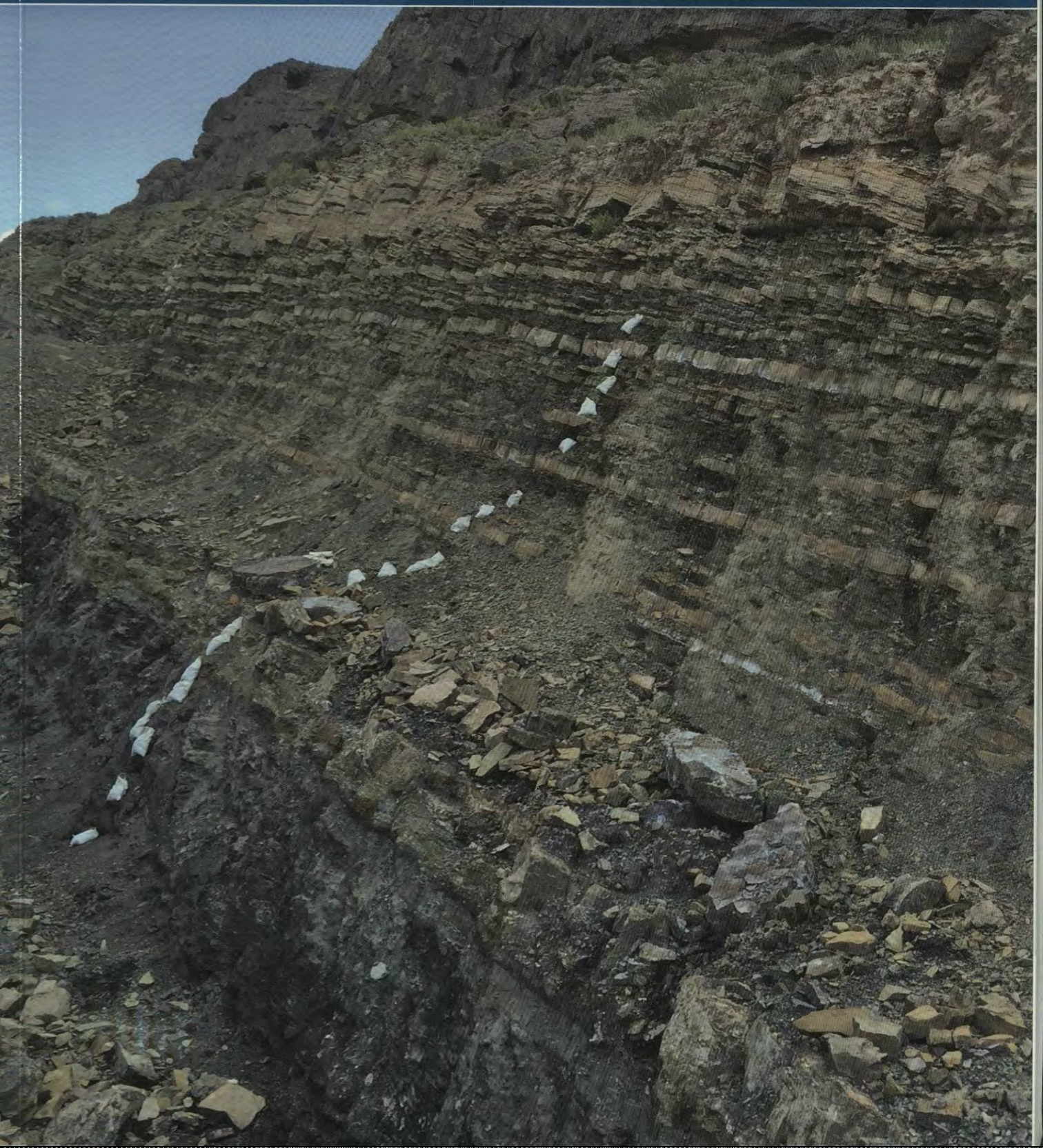




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ON COVER – The newly discovered high-quality source rock from Cambrian Yuertusi Formation in the Aksu area, Tarim Basin, China. These rocks are black shales and typically have a total organic carbon content between 2% to 6%. The overlying Cambrian dolomites in association with a salt seal exhibit favorable geological conditions for large-scale hydrocarbon accumulation. A new set of deep exploration strata can, therefore, be developed, guiding future deep Cambrian hydrocarbon exploration in the Tarim Basin. See related article by Zhu et al., p. 2123, this issue of the *Bulletin*.

ARTICLES

<i>Quantitative sequence stratigraphy</i> R. Bruce Ainsworth, Jamie B. McArthur, Simon C. Lang, and Adam J. Vonk	1913
<i>Pore structure and spontaneous imbibition characteristics of marine and continental shales in China</i> Zhiye Gao and Qinhong Hu	1941
<i>Characterization of the natural fracture system of the Eagle Ford Formation (Val Verde County, Texas)</i> Raphaël Gottardi and Shanna L. Mason	1963
<i>Practical and efficient three-dimensional structural restoration using an adaptation of the GeoChron model</i> Peter J. Lovely, Stanislas N. Jayr, and Donald A. Medwedeff	1985
<i>Application of four-dimensional monitoring to understand reservoir heterogeneity controls on fluid flow during the development of a submarine channel system</i> Jiajia Zhang, Shenghe Wu, Guangyi Hu, Ting-en Fan, Yu Lin, Hongjun Fan, Li Jiang, and Peng Lin	2017
<i>Southern Gulf of Mexico Wilcox source to sink: Investigating and predicting Paleogene Wilcox reservoirs in eastern Mexico deep-water areas</i> John W. Snedden, Luciana D. Tinker, and Jon Virdell	2045
<i>Estimation of original kerogen type and hydrogen index using inorganic geochemical proxies: Implications for assessing shale gas potential in the Devonian Horn River Formation of western Canada</i> Sung Kyung Hong, Young Jae Shinn, Jiyoung Choi, and Hyun Suk Lee	2075
<i>Inferring total organic carbon and major element geochemical and mineralogical characteristics of shale core from hyperspectral imagery</i> B. Rivard, N. B. Harris, J. Feng, and T. Dong	2101
<i>Discovery of the lower Cambrian high-quality source rocks and deep oil and gas exploration potential in the Tarim Basin, China</i> Guangyou Zhu, Feiran Chen, Meng Wang, Zhiyao Zhang, Rong Ren, and Lin Wu	2123

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