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**Continental Sequence Stratigraphy and its Application  
to the Trias Argilo-Gréseux Inférieur (TAGI), Berkine Basin:  
a critical review**

C. HOWELLS<sup>1</sup>, N. LEE<sup>1</sup>, A.J. SCOTT<sup>2</sup>

<sup>1</sup>Geoscience Group, Anadarko Algeria Company LLC,  
Uxbridge, Middlesex, UK.

e-mail: chris\_howells@anadarko.com

Tel.: +44-(0)1895-209449, Fax.: +44-(0)1895-209606

<sup>2</sup>AJ Scott & Associates, Boulder, Colorado

*currently at Anadarko Petroleum Corporation,*

*The Woodlands, Houston, Texas*

The application of sequence stratigraphic principles to continental deposits is an area of continuing scientific research and debate. Key issues exist in establishing both the basic stratigraphic framework (correlation and architecture) and the dominant driving mechanism (eustasy, climate, tectonics).

The Trias Argilo-Gréseux Inférieur (TAGI) has great economic value and is here considered to be a relatively unique stratigraphic sequence. It is therefore very important to establish a rigorous stratigraphic framework in order to maximise the value of hydrocarbon exploration and development projects.

This paper will describe the key aspects of the TAGI interval that constrain the depositional setting and stratigraphic architecture drawing upon a basin-wide high resolution dataset. The resulting model will be discussed along with a critical review of the alternative driving mechanisms and the economic value in applying sequence stratigraphic principles to this interval.