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Small to Subseismic Scale Reservoir Deformation

29-30 October 2014

The Geological Society, Burlington House, Piccadilly, London

Convenors:

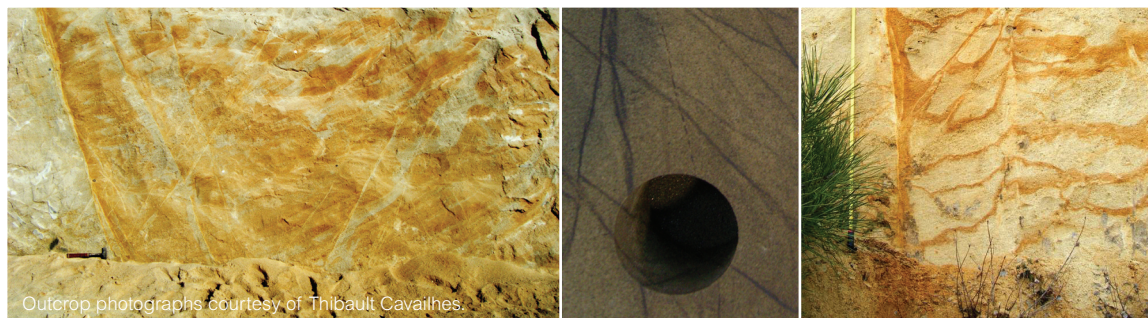
Mike Ashton
Badley Ashton America

Russell Davies
Rock Deformation Research,
A Schlumberger Company

Steve Dee
BP

Kachi
Onyeagoro
Shell

Ole Petter
Wennberg
Statoil



Outcrop photographs courtesy of Thibault Cavailles.

Small to subseismic deformation features can negatively impact reservoir performance and/or be stimulated to enhance field recovery. In many cases such features are controlled by, or interact with, similarly scaled sedimentological features, complicating conventional views of intra-reservoir connectivity and flow unit definition. Whilst the intra-reservoir distribution of these small-scale features has traditionally been 'modelled' in the subsurface by applying data from analogue outcrop studies, the recent advances in the acquisition and processing of both seismic and imaging techniques, such as helical CTscans, have provided greater resolution of the 'subsurface' than ever before.

This 2-day international conference will bring academic and industry geoscientists and engineers together, to examine: (i) how much extra geological detail modern seismic and imaging techniques are now able to provide; (ii) how that expansion of detailed information is being approached and captured by interpreters - and tied back to real reservoir geology; (iii) what 'new questions' are now being asked of outcrop and well based studies in order to address the 'unseen challenges' of subseismic deformation; (iv) how this is influencing the level of detail that should be captured to define better subsurface flow characteristics within flow simulation models; and (v) how depletion and injection impact upon formation and reactivation of reservoir scale deformation features.

Confirmed Speakers:

- Haakon Fossen, University of Bergen
- Paul Gillespie, Statoil
- Dave Sanderson, University of Southampton
- Steve Naruk, Shell
- Roger Soliva, Goesciences Montpellier

For further information please contact:

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www.geolsoc.org.uk/Small-to-Subseismic-Scale-Reservoir-Deformation

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