



FESAus Presents:

Realising the Value in Vintage Dipmeter and Borehole Image Log Data

Geoscientists have been acquiring and analysing formation dip information from boreholes since the 1930s, when the Schlumberger brothers and Henri Doll first described the 'electromagnetic teleclinometer and dipmeter' in 1933 and subsequently developed the SP dipmeter in 1943 (Doll 1943). Published literature provides a wealth of information concerning dipmeters and borehole image logs, revealing that utilisation of these tools has been routine in the oil industry for many decades. Many of the discussions of methodologies for the interpretation of data from dipmeters (and subsequently dip data derived from borehole image logs) first emerged in the 1950's and a plethora of significant contributions followed over the next 50 years. However, until recently all of these effectively remained in the 2D realm with respect to the display and interpretation of what is fundamentally 3D data. Furthermore, vintage dip data is an often overlooked asset. Truly historical dipmeter data from as early as the 1950s can be used today to supplement interwell interpretations made using modern image tools and orientated core data. The talk will discuss concept of vintage dip data, the ways in which vintage data types can be "rescued" and how a perhaps forgotten asset may be re-vitalised.



Presented by:
Lawrence Bourke

Book Online at:

www.fesaus.org

DATE: **THURSDAY** 9th February, 2012.

PLACE: **HOTEL IBIS – UPSTAIRS**

TIME: 12:00-1:30PM

COST: Members - \$30, Non-Member - \$40

About the Presenter:

Lawrence Bourke has an MSc degree in Sedimentology from the University of Reading and a BSc in Geology from The University of Strathclyde. His career start was in core-based sedimentology and was followed by three years as a field development geologist in the North sea. He joined Schlumberger in 1985 as applications development geologist and worked on the GLT, and then MST, FMS and OBDT tools. He has since worked as an image interpretation geologist with Z&S, Baker Hughes and for the last nine years with Task Geoscience. He is currently based in Perth, Western Australia.