



FESAus Monthly Technical Meeting

“Some Interesting Things We Can Do As Petrophysicists”

Mark Deakin PhD, Petrophysics Pty Ltd.

Abstract:

The barrage of data we are confronted with as petrophysicists holds information which too often lies on the shelf unused. Perhaps little commercial gain would come from advertising its use or maybe familiarity with what we did yesterday is easier and safer than innovation and possible criticism. Who knows? Here are a few reminders of ways we can use our information more fully. Others will have their own ideas and novel solutions to questions the Interested Petrophysicist should have, which will perhaps be revealed today.

- No core? $B \cdot Q_v$ lies forgotten in Sw_{100} zones
- Circumvent your resistivity questions. Plot wellsite NMR T2 bins as bulk volume water vs HAFWL logs for a resistivity free Sw
- Is your reservoir non strongly water wet? Examine what you already know
- Managers: How to inflate your GIIP numbers.. with core!
- Generic routine core data provides copious answers through simple inversion
- What makes us choose certain data and methods over others? Familiarity or reason? Data Hierarchy - the essential prerequisite to the integrating the barrage of modern data
- Is the Geomodel abusing your perfect petrophysical results?

About the Presenter:

Mark Deakin is a consultant, author and lecturer in petrophysical data integration. He holds a Ph.D. in 'Integrated Petrophysics' from London's Imperial College, is an ex Amoco petrophysicist, and has 25 years experience, including 15 as a course instructor and director of his consulting company (omit, repetition: PETROPHYSICS Pty Ltd). He has performed over 50 detailed reservoir studies, primarily in Southeast Asia's difficult carbonate and stacked 'low-contrast pay' reservoirs and keeps abreast of new technologies by operations work and updating his training courses. Deakin's approach is to identify and rank reserves uncertainties then guide companies toward defensible reserves via a strict process of data hierarchy, targeted data acquisition and systematic integration. After his PhD Deakin authored the first public Integrated Petrophysics course in 1989 and later the Carbonate and Fractured petrophysics course. Deakin's current projects are the PetroDB-WEB core-log-test linked database for calibrated reservoir evaluations which is being developing as a web based app, and the Renewable Energy Primer course. Deakin is a member of SPWLA and his consulting company PETROPHYSICS Pty Ltd is located in Perth, Australia.



DATE: Tuesday 13th June 2017, 12:00 – 1:30 PM **VENUE:** Hotel IBIS- 334 Murray Street, Perth

COST: Members \$30.00; Non Members \$40.00; Students/Retirees \$10.00

Online registration at www.fesaus.org (deadline Fri 9th June 3 PM)

Note: limited seats for unregistered attendees may be available: \$50.00 cash door charge

