



Spotlight

Publishing Stage

- Section 8 is on the run and more than half finished
- This is a reminder to please submit chapters ASAP as we approach the completion of this project
- We are looking forward to promote our project at the SPE Offshore Europe Conference & Exhibition

Oil Price

| Date | Brent Crude Oil Price |
|--------------|-----------------------|
| 10 July 2015 | \$58.73 |
| 20 July 2015 | \$57.01 |
| 29 July 2015 | \$52.84 |

- Over the past few weeks, the Brent Crude oil price has decreased from \$58 to \$52 per barrel
- The decrease has been caused by several key factors:
 - ◆ Iraq exports is rising and add to the increase in global supply
 - ◆ Similarly, a rebound in U.S. drilling increase the global supply
 - ◆ OPEC members continue to extract oil at record levels
- The global oil market surplus is the biggest since 1998, when cost of a barrel was \$10.

ICOE Newsletter

Dear Editors, Authors and Participants,

There are a few highlights in this news letter. The first focus is our march towards production, with important updates on the publishing programme. Our newsletter also keeps up-to-date on oil price movements. We are also happy to highlight our registration for the SPE Offshore Europe Conference & Exhibition, which will be held in Aberdeen from 8th to 11th September. We would like to recommend this conference to our editors, Authors and Participants.

Recent developments

- Crude oil slump puts 100 Aberdeen contractor jobs at risk: Trade union chief warns of more N. Sea job losses to come as Shell moves to new offshore shift pattern
- Scotland's First Minister urges global exploration companies to join China's giants in new N. Sea oil and gas investment
- The Offshore Installations (Offshore Safety Directive) (Safety Case etc) Regulations 2015

Featured Author:

Dr. Carl Fredrik Gyllenhammar, professional geoscientist consulting in the oil and gas industry



Section 5 - Chapter 29: Well Control: Pore Pressure Prediction, Kick Detection and Control

He started his academic career-studying math, physics and chemistry at University of Grenoble, France (1975-78). After three years in France, he returned to Norway and continued studying geology at University in Oslo. In 1984 he became an oil rig well-site geologist. During his time in Conoco (1985) he systematically evaluated the drilling problems associated with drilling through thick clay-stone (Shale) sections before reaching the oil and gas reservoirs. There was a large lack of research with respect to the chemical reaction between the clay and the drilling fluid. He contacted Professor Elen Roaldset at NTNU and UiO 1990. The result was a joint University of Oslo/University of

Trondheim R&D Programme on Clays, Claystones and Shales in Petroleum Geology, lasting 4 years. He served on the industry advisory board.

Following this research project and after having received his MSc in Applied Geophysics, with the title; **Seismic stratigraphy of the Essouira basin, offshore Morocco**, he joined a new joint industry research project GeoPoP, at Durham University. The focus was the compaction of clay and the development of pressure in the clay. His PhD has the title; "**A critical review of currently available pore pressure methods and their input parameters. – Glaciations and compaction of the North Sea sediments.**" In 2001 and joined BP research department in Sunbury and worked with compaction and pore pressure developments in claystone. The last 10 years he has explored for oil and gas in the North Sea (UK, Norway and Denmark), onshore Europe, Morocco, Tunisia, Azerbaijan and Kazakhstan. He is currently focusing on the bridge between geology and geophysics; Rock Physics.

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Sincerely,

A handwritten signature in blue ink that reads 'William Cairns'.

William J Cairns, Editor-in-Chief

