

FESAus Monthly Technical Meeting



Sourceless Logging While Drilling capable of providing a comprehensive Formation Evaluation solution

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Presentation:

Density and Neutron porosity are two of the most important measurements for quantifying reservoir quality, hydrocarbon type. Unfortunately the existing industry logging tools use chemical radioactive sources which pose a hazard if lost in hole. The risk of radiation, for both personnel and the environment, has been a major issue in the industry since the beginning of nuclear logging.

The solution to this problem, which nucleated around a decade back, is now available with the recent introduction of NeoScope, the industry's first truly chemical source-less formation evaluation service while drilling. The tool provides a source-less neutron porosity measurement in which the PNG replaces the $^{241}\text{AmBe}$ radioactive source used in conventional neutron porosity measurements. SNGD (Source-less Neutron Gamma Density) eliminating the traditional ^{137}Cs radioactive sources.

In addition, a more accurate lithology measurement based on spectroscopy, sigma and Hydrogen Index Porosity are available to compliment the traditional triple combo measurements

About the Presenter:

HENDRAYADI PRABAWA has a BS degree in Electrical and Civil Engineering. He joined Schlumberger in 1984 as a field engineer, Since 2004, he has worked as Principal Petrophysics LWD Domain Champion in Nigeria, In 2009 he moved to West and South Africa - WSA base in Luanda. Currently he is in charge for Australia, New Zealand, Papua New Guinea - APG base in Perth since 2014.

DATE: Tuesday 10th March 2015, 12:00 – 1:30 PM

VENUE: Hotel IBIS (Upstairs) - 334 Murray street, Perth

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

Online registration at www.fesaus.org

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