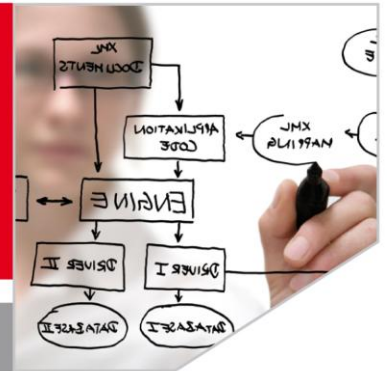


Technical Visit to Schlumberger at Newburn Base

Jeffrey M. Clark, Base Manager



Joint Electrical Electronic Papers

EVENT DETAILS

Date:

Wednesday, 9 May 2012

Time:

6.00 pm

Venue:

9 Searle Road
Newburn, WA
Turn left off Horrie Miller Drive in front of the International Airport

RSVP:

Essential as numbers are limited to 30 attendees and by 12 noon Monday, 7 May via link below <https://engineersaustralia.wufoo.eu/forms/jeep-site-visit-to-schlumberger-at-newburn/> (Membership number will be required to register)



Representing the ITEE Panel



Members are invited to attend a 2hr technical visit to Schlumberger to get an appreciation of the efficient and accurate drilling and evaluating technologies they are supplying to the oilfields off the Northwest Shelf of Australia.

The technologies currently employed are;

Power Drive Rotary Steerable System

The Power Drive system is a fully rotating directional drilling tool that enables the operator to guide the wellbore using mud pulse telemetry.

The use of rotary steerable systems allows the operator to correct real time for direction while maintaining a fully rotating system in the well. The fully rotating system reduces the issues associated with sticking, cuttings removal, and sliding. This enables the operator to more safely drill to an accurate target.



Dielectric Scanner



The conventional approach to determining oil volume requires weeks or months for laboratory core analysis or accepting the uncertainty inherent in petrophysical models. The Dielectric Scanner solves this issue by providing a direct measurement of water volume in the pore space. It does this by employing multifrequency dielectric dispersion science through an array of cross-dipole antennae. Electromagnetic waves are propagated into the formation at four frequencies and two polarizations for high resolution measurements of permittivity and conductivity. These signals are then interpreted into water filled porosity, water salinity, and textural effect.

Schlumberger Limited (NYSE:SLB) is the world's leading oilfield services company supplying technology, information solutions and integrated project management that optimize reservoir performance for customers working in the oil and gas industry. Founded in 1926, today the company employs more than 113,000 people of over 140 nationalities working in approximately 85 countries.

Schlumberger Oilfield Australia has been operating in Australia since 1970 supporting the oilfield services required by the various clients in Australia. The Newburn base primarily supports the Northwestern Australia offshore activity. 260 people work out of the Newburn facility to provide the services of Wireline, Drilling & Measurements, Completions, Testing, Cementing, Fluids Analysis, and Artificial Lift.

With 25 research and engineering facilities worldwide, we place strong emphasis on developing innovative technology that adds value for our customers. In 2011, we invested \$1.1 billion in R&D worldwide.

PPE Requirement: Attendees to provide their own steel capped boots. Other PPE will be provided at site.

RSVP: Essential as numbers are limited to 30 attendees