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LIGHT WELL INTERVENTION

Wednesday 5th October 2005

Britannia Hotel, Bucksburn, Aberdeen

Bar Opens: 17.30 Lectures start: 18.00 Supper 19.30

Chairman: **Phillip Roberts, Shell UK**

Tonight's presentations may be regarded as a 'taster' for the following day's Technical Seminar on Light Well Intervention on Thursday 6th October which will be held at the same venue. This one day event will look at political issues, operator strategies and current and new technology with an overview from Prof. Alex Kemp, the renowned oilfield economist, and presentations by Statoil and Shell. In addition technology papers will be given by CalDive, FMC, Expro, WellCut, BJ Services & others. For a full day programme and registration form, please visit www.aberdeen.sut.org.uk

Jonathon Harris, Shell UK

Well Stimulation and Scale Squeeze Using ROV Intervention

For some years Shell UK has been carrying out scale squeezes on some wells using DSV's and diver intervention rather than conventional rig or platform based operations. The increase in market activity, fuelled by a high oil price, has produced a combination of high DSV rates and limited availability. A natural progression to the above concept is to carry out the same work utilising a remote system which is not only advantageous from a safety aspect, by avoiding the use of divers, but is more cost effect by the use of ROVSV's or supply boats, and releases the DSV's for work which can only practically be carried out by divers.

This presentation describes how Shell, with contractor Oceaneering Intervention Engineering have addressed this situation and developed a practical solution.

Ian Donald, DES Operations

MARS System – An Option For Low Risk, Low Cost Well Stimulation

This presentation presents a novel Well Stimulation Package which interfaces directly with the Xmas Tree using the MARS (Multiple Application Re-injection System) technology, to provide access for processing equipment to be applied at the tree. The MARS technology, initially developed as a low risk method for deploying multiphase and water injection pumps, provides full bore access for all processing equipment at the Xmas tree. The system is currently being designed for well stimulation operations including Scale Squeeze and Acidizing Operations.

The principle objectives of the SHELL work for the MARS interface in well stimulation operations are to:- reduce hazardous diver operations, reduce production risk and reduce cost of operations.

This presentation will confirm that the MARS system achieves these objectives as the unit provides a flexible and universal method of accessing the well flow for well stimulation work at the Xmas tree. A recent study carried out to assess the viability of using the system in 2006 to intervene on the Shell Bittern field is used as an example.

5 Minute Technology Bite

Derek Butler, Oceaneering Intervention Engineering

Over Tension Coupling

Oceaneering Intervention Engineering have been working with Shell U.K. in making future acidisation operations of their Well's into a remote intervention operation, with consequential savings on the type of Vessel which can undertake this work. As part of OIE's scope, an Over Tension Coupling has been developed in order to address safety and environmental issues relating to an unscheduled abandonment during operations, for example Vessel D.P. drive-off etc.

A brief description of the Over Tension Coupling will be presented, together with an overview of how it functions.

*** New members attend FREE - Please see over ***

REGISTRATION FEES:	<i>SUT Members</i> £15.00	<i>Non-Members</i> £40.00*	<i>SUT Student Members:</i> £5.00
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- | be aged over 21 years, and
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- | be a graduate of a recognised university or hold a diploma from a recognised engineering institution or a qualification of comparable status in a relevant branch of science or technology

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Note: If you are a staff member of an organisation that is a Corporate Member of the Society you can already enjoy all the advertised discounted member rates for meetings and publications.

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I confirm that, to the best of my knowledge, the details given above are correct. I hereby apply for election to/transfer of membership of the Society for Underwater Technology and agree to abide by the Articles of Association of the Society.

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