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Cost Effective Reservoir Pressure Maintenance

Using Subsea Systems for Raw Seawater Injection, Filtration and Treatment

19 April 2006

Britannia Hotel, Bucksburn, Aberdeen, Bar Opens: 1730 Lecture Start: 1800 Supper: 1930

Chairman: Dick Winchester, Pipistrelle

Jan Olav Hallset, Poseidon International Ltd

'SWIT A new approach to subsea water injection & treatment for enhanced oil recovery'

The SWIT is an all electric water injection technology that relocates water treatment to the seabed thus eliminating the need for surface water treatment facilities, water injection and chemical flowlines. With only an electrical cable needed for power and control the SWIT can be used on brown-field sites where it can be interfaced to any existing xmas tree, or on green-field sites where it can be located to both target optimal injection points to give more effective field drainage and take advantage of the lower cost option of vertical drilling.

Nils J Vaagen, Framo Engineering UK Ltd

'Cost effective reservoir pressure support by utilising Framo Subsea Seawater Injection System'

Framo Engineering are fabricating the two first world wide seawater injection system for the Columba E Field in UK and Tordis Field in Norway. This presentation will give an overview of the projects and discuss why Subsea Injection Pump System were selected.

TechByte Technology:

TBA

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

REGISTRATION FEES: *SUT Members* **£15.00** *Non-Members* **£25.00*** *SUT Student Members:* **£5.00**

Please complete and return to: SUT, Innovation Centre, Exploration Drive, Aberdeen Science and Energy Park, Bridge of Don, Aberdeen, AB23 8GX, Fax: 01224 820236 E.mail. michele.ross@sut.org Phone: 01224 823637

I will pay by cash cheque credit card We can only invoice for multiple registrations.

Name _____ SUT Member No _____

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Credit Card No: VISA or MASTER CARD ONLY. No: _____ / _____ / _____ / _____ Exp. _____ / _____

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Join the Society for Underwater Technology
NOW as a Full Individual Member and you

Can attend this evening meeting **FREE**

The charge for Full Individual Membership is £65 p.a. and payment in full must accompany this application.

To become a Full Individual Member of SUT, you must either:

- be aged over 21 years, and
- show a professional interest or experience in the field of underwater technology,
- 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

or:

- have held a post of responsibility in the field of underwater technology for not less than three years

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.

PLEASE PRINT APPLICATION FORM IN BLOCK CAPITALS OR TYPE

Personal details

First name(s): _____ Surname: _____

Title: Mr Mrs Ms Dr Other _____ Date of birth: / /

Mailing address*: _____

Postcode: _____

Tel: _____ Fax: _____ Email: _____

*Optional airmail surcharge for non-UK addresses (£6.00 Europe/£12.00 outside Europe—please include with subscription payment)

Academic/vocational qualifications: _____

Current employer: _____

Address: _____

Postcode: _____

Tel: _____ Fax: _____ Email: _____

Current position: _____ Date of appointment: / /

Relevant previous employers (with dates and positions held):

Interests

- | | | | |
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| <input type="checkbox"/> Diving | <input type="checkbox"/> Underwater vehicles | <input type="checkbox"/> Offshore structures | <input type="checkbox"/> Subsea systems |
| <input type="checkbox"/> Underwater science | <input type="checkbox"/> Underwater robotics | <input type="checkbox"/> Offshore site investigation | <input type="checkbox"/> Environmental forces |
| <input type="checkbox"/> Ocean resources | <input type="checkbox"/> Marine renewable energies | <input type="checkbox"/> Education and training | <input type="checkbox"/> Other (list) Specialising in: |

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I enclose a cheque £_____ (allowing for reductions or airmail surcharge) payable to the Society for Underwater Technology

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Statement

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.

Signed: _____ Date: / /

