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Flow Assurance: Issues and Developments

Wednesday 18 April 2007

Ballater Suite, Britannia Hotel, Bucksburn, Aberdeen

Bar Opens: 1730 Lecture Start: 1800 Supper: 1930

Chairman: David Liddle, Technology Manager (Production & Facilities), The Industry Technology Facilitator

Flow assurance is a major challenge in offshore and deepwater operations. The industry is continually looking for innovative solutions not only to issues of scale, wax, hydrates, and other production issues, but also new solutions have to reduce the CAPEX and OPEX, eliminate remedial costs of removing pipeline blockages, prevent deferred production, and improve the overall recovery factors. This evening's meeting discusses some of the current issues and introduces some technologies associated with this vast subject.

Martin Wills, Head of Process, Woodhill Frontier Caledonia Ltd
Overview of Current Flow Assurance Issues

Dugald MacDougall, Development Chemist, Clariant Oil Services
Gas Hydrates Control in Oil and Gas Industries

This presentation will provide an overview of gas hydrates and the problems they cause in oil and gas industry. It will then take a look at conventional methods for prevention of gas hydrates, and look at more recent developments for the selection, evaluation, and use of low dosage hydrate inhibitors for controlling gas hydrates.

Dan Benson, Regional Sales Manager/Lee Robins, Operations Manager, Tracerco
Techniques to Make Pipelines "Transparent"

General introduction to Flow Assurance Issues such as Deposits (hydrates/wax/scale) and Pipeline Slugging and how this can affect the operation of a pipeline. Introduction to Technology Principles - Gamma Scanning / Tracer Injection & Tomography and how they can be used to determine the extent of a flow assurance problem, online and in realtime, thus allowing cost effective interventions.

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