

Australasian Branch

Deep Water Flow Assurance

Thursday 26th April 2007

Melbourne Hotel (John De Baun Room), Corner of Hay & Milligan Street, Perth

Bar Opens 5:30pm: Presentations Start at 6:00pm: Drinks and Canapés 7:30pm

Chaired by: **Dan Franklin:** General Manager, Granherne Pty Ltd.



Flow assurance is one of the major considerations when designing a deepwater development and can have significant knock on effects to the operational costs if not adequately considered in the design phase. Local service companies provide an overview of the issues associated with deepwater fields and draw on the design practices, systems and management strategies available to address this issue.

Subsea Designs and Guidelines for Managing Wax



Dr. Bazlee Matzain: Lead Flow Assurance Engineer, Multiphase Solutions Inc. (Mustang Engineering Pty Ltd.)

Significant deepwater developments continue to be developed worldwide using subsea architecture. As is the case with nearly all upstream oil and gas production systems, flow assurance plays a significant role in asset development. The property of the hydrocarbon fluids and the thermal behavior of the subsea systems can be more complex and can exacerbate more complex flow assurance problems such as wax precipitation. Development of design guidelines and operating strategies will be important for the control of wax formation. This presentation attempts to describe the design processes and guidelines and operating strategies for the control and remediation of wax precipitation.

Deepwater Gas – What's the problem?

Dr. Julie E P Morgan: Flow Assurance Manager, Granherne Pty Ltd.



Gas developments are simple, aren't they? We've been doing them for years. Squirt in a bit of methanol if you have to. So what's the big deal when the water gets deeper?"

Flow Assurance engineers – or maybe "practitioners" of that "art" – have been dealing with such comments and questions for a few years. This presentation highlights some of the issues that do create the challenges for deepwater gas developments and presents some possible solutions. Just remember that every development is different, sometimes only subtly and the right solution for one field is not directly applicable to the next.

Deepwater Flow Assurance Challenges in Asia-Pacific Fields



Dr. Chin E Teh: Flow Assurance Manager (Asia-Pacific), Intec Engineering Pty Ltd.

This presentation gives an overview of the flow assurance challenges being faced when moving from shallow water to deepwater oil field developments and highlights an example of one deepwater field currently being developed in the Asia-Pacific Region and its proposed flow assurance management strategy

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