Wednesday, 24 February 2010
Sabah Room, Basement II

07.15-8.15  Conference Registration, Coffee Service & Open Exhibition
Sabah Foyer, Basement II
Sponsored by Halliburton

08.15  Welcome & Introduction
Mike Killalea, Group Vice President/Publisher, IADC

08.30-09.30  UBD or MPD: An Engineering Choice Based on Intent (SPE/IADC 130563)
Moderator: Don Hannegan, Weatherford International Ltd.
- Ken Malloy, Staff Consultant, Stress Engineering Services
- Sara Shayeji, Drilling Advisor, Hess Corporation

Often times reservoir and drilling engineers are faced with the decision on how best to construct a well to exploit zones of interest while seeking to avoid drilling problems that contribute to reservoir damage or cause loss of hole. The decision to pursue either UBD or MPD operations is based on the intent of applying the most appropriate technology for the candidate and entails either an acceptance of influx to the surface or avoidance of influx into the wellbore. The merits of each technology will be described to aid in the decision-making process.

09.30-10.00  Pressurized Mud Cap Drilling on a Drillship in Indonesia
Moderator: Don Hannegan, Weatherford International Ltd.
Julmar Shaun Taloradie, Weatherford Indonesia; and Kevin Fisher and Steve Nas, Weatherford Solutions

10.00-10.30  Networking Break & Open Exhibition
Sabah Foyer, Basement II
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10.30-12.00  Case Histories I
Moderator: Ray Bullock, Halliburton

Managed Pressure Drilling in Rub Al-Khali Empty Desert: Case Study
Sarah-Qasim Formations
Joseph Ekpe, SPE, Andrey Kompanstev, Jamal Al-Thuwaini, Raid Bu-Khamseen, Mohammad Emad, and Yuri Belousov, LUKSAR (SPE/IADC 129600)

Managed Pressure Drilling in the Gulf of Thailand Enables Talisman to Optimize Drilling and ECD Management and Avoid Losses in Depleted Reservoirs
Paul Fredericks, Greg Garcia and Ossama Sehsah, At Balance (SPE/IADC 130316)

Challenges in Merging Managed Pressure Drilling and Downhole Isolation Technologies in Offshore East Java
Julmar Shaun Taloradie, Andi Eka Prasetya and Julius Sosa, Weatherford Indonesia; and Stanley Provance, Titoe Adriatna and Ahmad Dicky Yustiandi, Kodeco Energy

12.00-13.15  Luncheon & Open Exhibition
Lemon Garden Café, Lobby Level

13.15-14.45  Case Histories II
Moderator: Phil Frink, At Balance Americas LLC

Offshore Automated Managed Pressure Drilling in Fractured Basement Granite Reservoir: Case Study, Challenges and Solutions
Abdel Mujeeb Shaikh and Graham Boyce, Halliburton; and Biswajit Chakraborty, Manoj Meghnani, M. Saravankumar, Rashmi Gupta and Deepanshu Chawla, Hindustan Oil Exploration Company (SPE/IADC 130318)

Merging Subsea/Surface BOP and MPD Methods to Drill Through Total-Loss Zones in Offshore Madura, Indonesia
Kevin M. Fisher and Julmar Shaun Taloradie, Weatherford; and Lunar Dirgantara and M. Ridha Hikmat, Santos

Experiences and Results with a New Automated MPD System while Drilling and Cementing Liner in an Onshore Depleted Gas Field
Paul Fredericks and Ossama Sehsah, At Balance; and Julio Montilla and Phil Vogelsberg, Shell Exploration & Production Company (SPE/IADC 130319)

14.45-15.15  Networking Break & Open Exhibition
Sabah Foyer, Basement II
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15.15-16.15  Technology Implementation I
Moderator: Ken Malloy, Stress Engineering Services

First Underbalanced Drilling Experience in AGOCO Sarir C- Main Field - Libya: Case Study
Paco Vieira, Hani Qutob and Maurizio Arnone, Weatherford International; Mohamed Ben Shatwan, Arabian Gulf Oil Co.(Libya); and Biltayib Misbah, National Oil Corporation (Libya) (SPE/IADC 130562)

Overcoming Drilling Challenges in Northwest China Using an Innovative MPD Technique
Scott McMillan, Randy Lavorn, Jenny Ospina and Saad Saeed, Halliburton; and Wen Hua An, Yao Ming Zhang and Zhi Xiong Xu, Petrochina Tarim Oilfield Company (SPE/IADC 130317)

16.15-17.30  Networking Break & Open Exhibition
Sabah Foyer, Basement II
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16.30-17.30  Technology Implementation II
Moderator: Calvin Holt, Keep Drilling Pte. Ltd

Finding Gas Using Underbalanced Drilling in a Tight Reservoir
John Bowling, Blade Energy Partners; Raju Hazarika, Petroleum Development Oman; and Dieter Skaloud, South Rub Al-Khali Company (SPE/IADC 130320)

Deepwater Riserless Mud Return System for Dual Gradient Tophole Drilling
Robert Ziegler, Iskandar Riza and Malik Faisal B. Abdullah, PETRONAS; Dave Smith, AGR Subsea; Warren Winters, BP; and Brian Tarr, Shell (SPE/IADC 130308)

17.30-19.00  Welcoming Reception & Open Exhibition
THURSDAY, 25 FEBRUARY 2010
Sabah Room, Basement II

07.30-08.15 CONFERENCE REGISTRATION, COFFEE SERVICE & OPEN EXHIBITION
Sabah Foyer, Basement II

08.15 OPENING REMARKS & IADC UBO AND MPD COMMITTEE UPDATE
Brian Grayson, Chairman, IADC Underbalanced Operations & Managed Pressure Drilling Committee & Global Product Service Line Manager, Controlled Pressure Drilling, Weatherford International

The IADC Underbalanced Operations and Managed Pressure Drilling Committee is among IADC’s most active. Recent activities include development of operational guidelines for managed pressure drilling, and continuing efforts for training standards and manufacturing specifications for these important technologies.

08.30-09.45 OPERATOR PANEL DISCUSSION
Moderator: Calvin Holt, Keep Drilling Pte. Ltd
Managed Pressure Drilling and Underbalanced Operations are significant technologies worldwide and beginning to make an impact in the Asia Pacific region. However, limited knowledge exists about the benefits and drawbacks of this technology. In this panel key operators from the Asia Pacific region will share their experiences - challenges, barriers and opportunities to implementing these potentially enabling technologies.
• Daniel Miessner, Head of Deepwater Drilling, PETRONAS Carigali
• Dietmar Neidhardt, VP Casing Drilling, Tesco Corporation
• Dale Bradford, Senior Drilling Manager, Murphy Exploration & Production Company

09.45-10.15 NETWORKING BREAK & OPEN EXHIBITION
Sabah Foyer, Basement II

10.15-12.15 TOTAL SYSTEMS & RESERVOIR CHARACTERIZATION
Moderator: Sara Shayegi, Hess Corporation

"Drill thru the Limit" Concepts and Enabling Tools
Don Hannegan, Weatherford International Ltd.

Variable Rate UBD Production Data Facilitates Reservoir Characterization
Steve Nas, Sunil Lakshminarayan, Jaime Villatoro, Said Botalabi and George Stewart, Weatherford International Ltd. (SPE/IADC 130309)

12.15-13.30 LUNCHEON & OPEN EXHIBITION
Lemon Garden Café, Lobby Level

13.30-16.00 HYDRAULIC MODELING
Moderator: Kristin Falk, Ocean Riser Systems AS

Understanding Multiphase Flow Modeling for N2, Concentric Nitrogen Injection Through Downhole Pressure Sensor Data Measurements While Drilling MPD Wells
Juan Carlos Beltran, Corrado Lupo, Leiro Medina, Hermogenes Duno, Fernando Gallo, Jose Tang, and Jimmy Rojas, Schlumberger-Optimal Pressure Drilling; Hernan Melgares, Schlumberger D&M; Efrain Rodriguez, Schlumberger IPM; and Jorge Bedoya and Gustavo Puerto, Blade Energy Partners (SPE/IADC 130324)

Successful Use of Real Time Dynamic Flow Modeling to Control a Very Challenging Managed Pressure Drilling Operation in the North Sea
Knut Steinar Bjørkavoll and Svein Havland, SINTEF Petroleum Research; Ingvill Barr Aas, Halliburton; and Elin Vollen, Statoil (SPE/IADC 130311)

A Simplified and Highly Effective Method to Identify Influx and Losses during Managed Pressure Drilling Without the Use of a Coriolis Flow Meter
Don Reitsma, At Balance Americas LLC (SPE/IADC 130312)

15.00-15.30 NETWORKING BREAK & OPEN EXHIBITION
Sabah Foyer, Basement II

15.30-17.00 CASE HISTORIES III
Moderator: Rolf Rommetveit, eDrilling Solutions

Flow Drilling Application in Oman

Deep Air Drilling Application to Enhance Rate of Penetration in Extremely Hard, Abrasive and High Temperature Environment
Steve Nas, Weatherford Solutions; Deepak M. Gala, Weatherford International Ltd.; and Paul Cox, Smith International

Underbalanced Drilling Challenges and Benefits in a Marginal High-Pour-Point Oil Reservoir in Sepanjang Island, Indonesia
Kitos Akbar, Tomoyuki Kitamura and Hasan Zaki, Kangean Energy Indonesia; and Julius Ceazar Sosa, Felbert Palao, Julmar Shaun Toralde and Steve Nas Weatherford (SPE/IADC 130314)

17.00 ADJOURNMENT

EXHIBITORS
Be sure to visit the SPE/IADC MPD-UBO conference exhibitors. These companies will have representatives available to answer questions and provide information.

PROGRAMME COMMITTEE
A special thanks to the following committee members for their support in organizing the conference:

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• Leo Arsenault, Blade Energy
• Mahmood Amani, Texas A&M University, Qatar
• Ray Bullock, Halliburton
• Kristin Falk, Ocean Riser Systems
• Raj Fernandez, Baker Hughes INTEQ
• Dr. Ken Gray, University of Texas
• Robert Goodwin, National Oilwell Varco
• Johnny Gundersen, Petroleum Safety Authority Norway
• Don Hannegan, Weatherford International Ltd
• Andy Hinton, AGR Petroleum Services
• Calvin Holt, Keep Drilling Pte. Ltd
• Joe Kinder, Joe Kinder Consulting
• Bob Knoll, Maurer Technology
• John Kozic, Transocean
• Ken Malloy, Stress Engineering Services
• Steve Nas, Weatherford International Ltd.
• Dr. Jalal Owayed, Kuwait University
• John Ramalho, Shell E&P International Ltd.
• Don Reitsma, At Balance Americas LLC
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• John Ramalho, Shell E&P International Ltd.
• Don Reitsma, At Balance Americas LLC
• Rolf Rommetveit, eDrilling Solutions
• Dr. Jerome Schubert, Texas A&M University
• Rick Stone, Signa Engineering Corp.
• Elin Vollen, Statoil
• Richard Wade, ConocoPhillips
• Jenny Chong, SPE
• Ken Fischer, IADC
• Mike Killaalea, IADC

MPD Candidate Identification: To MPD or Not To MPD
George H. Medley and Sagar Nauduri, Signa Engineering Corp.; and Jerome J. Schubert, TAMU (SPE/IADC 130330)

Managed Pressure Drilling Brings Added Value to Production Casings Cementing Operations Increasing Success Rates and Quality in HPHT Fractured Narrow Window Wells
Leira Medina, Fernando Gallo, Hermogenes Duno, Juan Carlos Beltran and Corrado Lupo, Schlumberger (SPE/IADC 130313)

A Simplified and Highly Effective Method to Identify Influx and Losses during Managed Pressure Drilling Without the Use of a Coriolis Flow Meter
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