11th Annual International Conference on Horizontal Well and Emerging Technologies

November 15-17, 1999
Houston, Texas

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Sunday November 14, 1999
4:30 pm - 7:00 pm Pre-Registration

Monday November 15, 1999
7:00 am - 8:00 Registration and Continental Breakfast

Advancements in Horizontal Well Technology and Applications

Drilling and Completion Issues with Equipment Developments

8:00 - 8:35 am At-Bit Inclination Measurements Reduces Sliding Time to Increase Drilling Efficiency
(1) Torger Skillingstad, Drilling Services Product Champion, Anadrill, Sugarland, Texas USA

8:35 - 9:10 Drilling and Completion Induced Formation Damage in Horizontals - A Technology Overview and Update
(2) D. Brant Bennion, President, Hycal Energy Research Laboratory, Calgary, Alberta, Canada

9:10 - 9:45 PDC Bits for Directional Drilling - Defining the Objectives and Establishing Requirements
(3) Graham Mensa-Wilmot, Smith International, Inc./GeoDiamond, Houston, Texas, USA

9:45 10:15 BREAK

10:15-10:50 Rotary Steerable Tool System - Update
(4) Steve McLoughlin, Rotary Steerable Tools, Houston, Texas USA

10:50-11:25 A Case History of Optimizing Horizontal Well Completions in the Kuparuk Field Through the Proper Selection of Drill-In Fluids and Associated Wellbore Clean-Up

11:25- 12:00 Horizontal Well Case Study - Urocoa Field Venezuela: Gravel Packing Technology and Associated Benefits
(6) Simon P. Benavides, Baker Oil Tools, Houston, Texas, USA

Logging, Measurement, Geosteering Issues

12:00 - 12:35 Geomechanical Interpretations of Logging While Drilling Images for Wellbore Stability
(7) Tom Bratton, LWD Development, Schlumberger Product Centre, Sugarland, Texas, USA

12:35- 1:50 pm LUNCH

1:50 - 2:25 Real Time Formation Evaluation: Geosteering Case Studies
(8) John C. Rasmus and John Edwards, Schlumberger Product Centre, Sugarland, Texas, USA

2:25 - 3:00 Petrophysical Interpretation of Azimuthal and Radial LWD Data in Horizontal Wells
(9) Frank Shray and Kyel Hodenfield, LWD Product Manager, Anadrill, Sugarland, Texas USA

3:00 - 3:30 BREAK

3:30 - 4:05 Developments with Real Time Geosteering
(10) Ken Bowdon, Bowdon Energy Consultants, Dallas, Texas, USA

Reservoir Issues and Developments

(11) Modeling and Simulation of Fluid Flow Around and Within Highly Deviated Horizontal Wells Using 3D K-PEBI Grids (Cancelled - no paper provided)
Gabor Heinemann and Zoltan Heinemann, HOT Inc., Leoben, Austria

4:05- 4:40 Horizontal Drilling, Formation Damage, and Underbalanced Drilling-Where, When, Why?
(12) D. Brant Bennion, President, Hycal Energy Research Laboratory, Calgary, Alberta, Canada
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Tuesday November 16, 1999
7:30 - 8:00 am Registration and Continental Breakfast

Underbalanced Drilling Technology Developments

8:00 - 8:35 am Underbalanced Drilling Applied Successfully in Upper Sections Of Argentina Wells
(13) Michael R. Ohannesian, M-I Air Drilling, Healdsburg, CA, Vincent Scank, Latin America Sales Group, M-I L.L.C., Houston, Texas USA

8:35- 9:10 Practical Solutions to Design and Implement Underbalanced Drilling Methods
(14) Greg Chitty and T. M. Wilkes, Weatherford, Houston, Texas, USA

9:10 - 9:45 Improved Reservoir Optimization by the Correct Selection and Implementation of Flexible Underbalanced Drilling Technology
(15) Brian Lunan, Brian Lunan and Associates Inc., Calgary, Alberta, Canada

9:45 - 10:15 BREAK

10:15-10:50 Offshore Applications of Underbalanced Operations
(16) Don Hannegan, Weatherford Williams Tool Company, Ft. Smith, Arkansas USA

New Technology Deepwater/Subsea

10:50 - 11:25 Using Oil Base Mud to Drill Long Horizontal Sections in Deep Subsea Wells Prior to Gravel Packing - A Mobil Equatorial Guinea Inc. Case Study
(17) Mike Chambers, Mobil Oil Company, Carrollton, Texas, USA

11:25 - 12:00 Gravel Packing a Horizontal Well from Deepwater Floating Rigs
(18) Stephen P. Mathis, Baker Oil Tools, Houston, Texas, USA

12:00 - 12:30 Joint Industry Project Plans to Drill Underbalanced in Deepwater-Petrobras-Mobil-Amerada Hess-ADS-Williams Tool JIP
(19) Don Hannegan, Weatherford Williams Tools Company, Ft. Smith, Arkansas, USA

12:30-1:30 pm LUNCH

1:30 - 2:00 Subsea Rotating Control Head for Shallow Water Flow Control
(20) Don Hannegan, Weatherford Williams Tool Company, Ft. Smith, Arkansas, USA

Extended Reach Drilling

2:00 - 2:35 Technology Advances Improve Cost Effectiveness of Extended Reach Drilling
(21) Greg Conran, Extended Reach Drilling Projects Manager, Anadrill, Sugarland, Texas, USA

2:35 - 3:00 BREAK

3:00 -3:35 Mechanical Friction-Reduction Technology for Extending Horizontal Drilling
(22) Larry G. Williams, Weatherford Completion & Oilfield Services, Houston, Texas, USA, and Geoff Murray, Weatherford Completion & Oilfield Services, Bell Block, New Plymouth, New Zealand

3:35- 4:10 Fiber Optic Monitoring of ERD Wells at BP Amoco's Wytch Farm Field
(23) Glynn Williams, Managing Director, Sensor Highway Ltd., Hampshire, England, and John Davies, BP Amoco, Russell Miller, Baker Oil Tools, and George Brown, Sensor Highway

Multilaterals and Smart Wells

4:10 - 4:45 Determining the Risk and Research in Applying Multilateral Technology
(24) Jim Oberkircher, Sperry-Sun Drilling / Halliburton Energy Services, Houston, Texas USA

4:45 - 5:20 QRA Applied To Well Planning and Cost Estimating - Selected North Sea Case Studies
(25) Bill Martin and Dave Smith, WST International, Bergen, Norway and Ian Smith, WST UK, Porlethen, Aberdeen, Scotland
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Wednesday November 17, 1999

7:30 - 8:00 am Registration and Continental Breakfast

8:00 - 8:35 Completing the World’s First Level 5 Multilateral Well from a Semi-Submersible Rig
(26) Adam M. Pasicznyk, Baker Oil Tools, Houston, Texas, USA

(27) Michael Economides, University of Houston, and Ana Hernandez and Juan Carlos Barrios, PDVSA Intevep, Los Teques, Venezuela

9:10 - 9:45 Improved Hydrocarbon Recovery and Reservoir Management with Intelligent Well Technology
(28) Paulo Tubel, Weatherford-SubTech Intelligent Systems, Houston, Texas, USA

9:45 - 10:15 BREAK

10:15 - 10:50 Integrated SmartWell System for the Gulfaks Satellites Project
(29) Mona Ulateig, and Sisel Halmoy, Kongsberg Offshore AS, Kongsberg, Norway

Emerging Technologies Developments

10:50 - 11:25 Determining Reservoir Structures and Fluid Contacts with New Energy Mapping for Smart Well Applications
(30) Fred Goldsberry, WaveX, Inc., Houston, Texas, USA

11:25 - 12:00 A Summary of Recent Successes and Challenges in the Development of Spoolable Composite Tubulars

12:00 - 12:35 The New 15,000 PSI PetroJet Multilateral System
(32) Wade Dickinson, Petrophysics, Inc., San Francisco, California, USA

12:35 pm Conference Adjourn

Program Subject to Change Due to Speaker Changes, Additions, or Cancellations

WE ARE PLEASED TO WELCOME EXHIBITOR COMPANIES

Handy & Harman Tube Company
Red Wing Perforating Service
Sperry-Sun
Weatherford Williams Tool Company

Underbalanced Drilling Operations and Technology Short Course -

1:30 - 2:00 pm Registration
2:00 - 6:00 pm Course for those registering.