

Thursday, 3 May, 0930 to Noon

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ESPIRITO SANTO: THE NEW DEEPWATER OIL AND GAS PROVINCE IN BRAZIL

Session Chairpersons: Jacques Braile Salies, Petrobras America
Mauricio Werneck, Petrobras

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| 0930 | 19082 | Espirito Santo: The New Deepwater Frontier in Brazil | M.C. Bezerra, N.V. De Rossi, Petrobras |
| 0952 | 19088 | Jubarte Field: Development Strategy | B.D. Junior, C.A. Siqueira, I. Do Nascimento, I.A. Pinto, J.B. Farias, R.A. Vieira, R.D. Goulart, Petrobras |
| 1014 | 19083 | The New Deepwater Oil and Gas Province in Brazil: Flow Assurance and Artificial Lift: Innovations for Jubarte Heavy Oil | G. Colodette, C.G. Pereira, C.A. Siqueira, G.A. Ribeiro, R. Rodrigues, J.S. de Matos, M.P. Ribeiro, Petrobras |
| 1036 | 19084 | A Vessel Created for Innovations | A. Fukai, C.A. Oliveira, F.B. Machado, M.A. Dadalto, R. B. Santos, Petrobras |
| 1058 | 19085 | Golfoincho Field: Discovery, Development, and Future Projects | P.E. Vieira, C.H. Bruhn, C.F. Santos, A.C. Del Rey, R.G. Alves, Petrobras |
| 1120 | 19086 | Golfoincho Project: Strategy and Execution | I.F. Lima, N.V. de Rossi, R.A. Serro, E.A. Carrascosa, C.A. Fernandes Lima, Petrobras |
| 1142 | 19087 | Golfoincho Project: Well Construction | R. Imanishi, R. Dinelli Jr., C. Estefani, D.A. Garcia, L.A. Endlich, Petrobras |

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CHALLENGES AND SOLUTIONS IN ULTRADEEPWATER PIPELINE INSTALLATION

Session Chairpersons: Robert McCavitt, Chevron Corp.
Skipper Strong, J. Ray McDermott Engineering

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| 0930 | 18669 | J-Lay and Steep S-Lay: Complementary Tools for Ultradeepwater | D. Perinet, I. Frazer, Acergy |
| 0952 | 18916 | Latest Concepts of Plastic-Lined Flowlines for Deepwater Field Developments | M. Beunier, F. Pionetti, K. Ardavanis, E. Gourdeaux, B. Mauries, K. Lachheb, Saipem SA |
| 1014 | 18594 | The Effects of Partial Span Coverage for Deepwater Marine Risers and Tendons With Fairings | D.W. Allen, D.L. Henning, L. Lee, Shell Global Solutions |
| 1036 | 18769 | Deepwater Riser VIV Assessment by Using a Time Domain Simulation Approach | K. Huang, H.C. Chen, C.R. Chen, TX A&M U. |
| 1058 | 18797 | Combined Tow Method for Deepwater Pipeline and Riser Installation | A.R. Hellesto, D.N. Karunakaran, T. Grytten, Subsea 7; O.T. Gudmestad, Statoil/U. of Stavanger |
| 1120 | 18947 | Deepwater SCR Manufacturing Criteria | R.T. Hill, EWI Microalloying LP; P.K. Mittal, Welspun |
| 1142 | 18472 | Remote Connection of Deepwater Pipelines Using Standard Bolted Flanges | I. Frazer, F. Monnot, J. Fletcher, Acergy |

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Subsea Technology

Session Chairpersons: Alan Dick, Simmons & Co. Intl.
Jean-Francois Saint-Marcoux, Acergy

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| 0930 | 18992 | New Ocean Bottom Seismic Node System | P. Maxwell, S. Grion, T. Haugland, S. Ronen, CGGVeritas |
| 0952 | 18709 | Investigation of a Subsea Separation Station Operating Envelope Using Subsurface-to-Topsides Integrated Dynamic Simulations | D. Costa, V.K. Vu, G.C. Barnay, D. Larrey, Total; O.T. McClimans, FMC Technologies; E.B. Sund, Kongsberg Maritime |
| 1014 | 18914 | Subsea Oil/Water Separation of Heavy Oil: Overview of the Main Challenges for the Marlim Field, Campos Basin | M. Euphemio, R. Oliveira, G. Nunes, C. Capela, L. Ferreira, Petrobras |
| 1036 | 18537 | Subsea Pumping Systems: Intervention Prediction and Condition Monitoring Techniques | K. Eriksson, K. Falk, H. Melboe, E. Mjaavatten, Aker Kvaerner |
| 1058 | 18952 | Technical Status and Development Needs for Subsea Gas Compression | E. Baggerud, V. Sten-Halvorsen, R. Fantoft, FMS Technologies |
| 1120 | 18676 | Maintaining Late-Life Production From Long Offset Subsea Gas Wells | M. Becnel, D. Steib, Chevron; S. Wegener, J. Linder, N. Beg, Caltec |

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NEW TECHNOLOGY FRONTIERS: THE PARTNERSHIP BETWEEN SOLUTION PROVIDERS AND OIL COMPANIES

Session Chairpersons: Paulo Alonso, Petrobras
Metin Karayaka, Chevron

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| 0930 | 18576 | The Partnership Between Solution Providers and Oil Companies | M. Wiencke, Demo 2000/Research Council of Norway |
| 0952 | 18985 | One Service Company's View of Key Requirements for Successful Technology Collaboration | J.J. Lembcke, S. Ball, Weatherford Intl. |
| 1014 | 18611 | Turning Innovative Ideas on Commercial Equipment: The Approach at Petrobras | P.S. Alonso, P.S. Rovina, R.M. Martins, Petrobras |
| 1036 | 18635 | Joint Technology Development Between Statoil and Schlumberger: A Success Story | G. Finsrud, T. Egeli, Schlumberger; S. Talstad, Statoil |
| 1058 | 18773 | Hydrate Prevention With Electrically Heated Jumpers | F. Bardou, W.L. Hudson, Doris Engineering; C. Vigne, Emc3; A. Cretenet, Total |
| 1120 | 18511 | DeepStar: 15-Years of Collaboration Between Contractors, Academia, and the Oil Companies on Technology for Deep Water | M.G. Grecco, Chevron |

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FIELD DEVELOPMENTS: EXTENDING THE EDGE

Session Chairpersons: Karl Gerdes, Chevron ETC
John Smart, John Smart Consulting Engineering

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| 0930 | 18595 | ROSA: New Challenges in West Africa Deepwater Developments S. Huysman, P. Longuet, G. Lemaitre, Total |
| 0952 | 18816 | AKPO: A Giant Deep-Offshore Development F. Rafin, A. Laine, B. Ludot, Total |
| 1014 | 18950 | The Design of an FPSO To Operate in Gulf of Mexico O.J. Ribeiro, C.L. Palagi, C.F. Mastrangelo, A.C. Corte, Petrobras |
| 1036 | 18956 | The Norwegian Sea: The Development of a New Offshore Region T. Totland, O.A. Pettersen, P.G. Grini, S.F. Utengen, Statoil ASA |
| 1058 | 18678 | A Fieldwide Integrated Production Model and Asset Management System for the Mumbai High Field S.K. Moitra, S. Chand, ONGC; S. Barua, D. Adenusi, V. Agrawal, Schlumberger |

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HIGH-PRESSURE/HIGH-TEMPERATURE MANAGEMENT

Session Chairpersons: Peter Metcalf, J.P. Kenny
Alvaro Negrao, Repsol YPF

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| 0930 | 18614 | Using BOPs at Pressures in Excess of the Rated Working Pressure: A Solution for High-Pressure Wells? M.E. Montgomery, J.P. Sattler, West Engineering Services; S.L. Buffington, MMS |
| 0952 | 18976 | High-Pressure/High-Temperature Consolidated Completion in the Continental Shelf Environment of the Gulf of Mexico: Case History R.E. Patterson, T.J. Willms, El Paso E&P Co.; K. Foley, J. Edwards, Halliburton |
| 1014 | 18504 | High-Integrity Protection Systems: Methods and Tools for Efficient Safety Integrity Levels Analysis and Calculations J.P. Signoret, Total |
| 1036 | 18613 | An Alternative Approach to Wellhead Flowline Pressure Protection A.E. Summers, B. Zachary, SIS-Tech Solutions |
| 1058 | 18467 | HP/HT Semisubmersible for 10,000-ft Depth in Gulf of Mexico H. Banon, BP America; M.K. Nygard, R. Loken, R. Lu, Aker Kvaerner; D. Garrett, Stress Engineering |
| 1120 | 18734 | Well-Testing Planning in Deepwater Wells in High-Pressure, High-Temperature Environments: The Brazil Experience A.M. Salguero, E.A. Almanza, H.W. Nivens, Halliburton Energy Services Group |

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INNOVATIONS IN MOORING SYSTEMS AND APPLICATIONS OF FIBER ROPE

Session Chairpersons: Darrel Harvey, Alan C. McClure Assocs. Inc.
Jason Newlin, Shell

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| 0930 | 18808 | Planning and Executing Deepwater Mooring in the Gulf of Mexico | J.M. Burns, T.R. Travis, M.C. Briggs, Noble Corp.; G.W. Courville, Anadarko/Kerr-McGee |
| 0952 | 18768 | Polyester Mooring Lines on Platforms and MODUs in Deep Water | J. Flory, S.J. Banfield, C. Berryman, Tension Technology Intl. |
| 1014 | 18900 | Improved Moored MODU Design Codes for Hurricane Season | D.J. Petruska, BP America; B. Stone, WorleyParsons Sea; T. Kwan, DTCEL; E. Zimmerman, Delmar Systems; P. Devlin, Chevron; M. Wishahy, GlobalSantaFe; P. O'Connor, BP America |
| 1036 | 18932 | Fiber Rope Deployment System for Ultradeepwater Installations | S.R. Torben, P. Ingeberg, O. Bunes, ODIM AS; S. Bull, The Cortland Cos.; J. Paterson, D. Davidson, Subsea 7 |
| 1058 | 18778 | Heading Analysis of Turret-Moored FPSO Offshore Brazil | D. Curic, Z. Zhong, Y. Luo, SBM-Imodco Inc. |
| 1120 | 18770 | A New Method of Testing for Change-in-Length Properties of Large Fiber-Rope Deepwater Mooring Lines | J. Flory, Tension Technology Intl.; V. Ahjem, Det Norske Veritas; S.J. Banfield, Tension Technology Intl. |