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- 26589 **Impact of Hydrodynamic Uncertainties on Day to Day FLNG Offloading Operations**
J.N. Gould, Peritus Intl.
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S. Prakash and S.A. Bhatevara, Schlumberger Asia Services
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A. Boenisch, Innospection Ltd.
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Y. Zhao, X. Song and J.D. Dykstra, Halliburton
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- 26601 **A New Multi-Annular Temperature Prediction Model for Deepwater Wells**
J. Liu, H. Fan, X. Chen and Q. Peng, China U. of Petroleum, Beijing
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- 26602 **Numerical Model to Simulate Drift Trajectories of Large Vessels**
S.B. Mortensen, DHI Water & Environment
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- 26604 **Pre-Flush Design for Extended Scale Inhibitor Squeeze Lifetime in Limestone Reservoir**
B. Ghosh, M.Y. Alklich and X. Li, Petroleum Inst.
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- 26605 **Conceptual Fracture Modelling for Carbonate Reservoir in Bai Hassan Oil Field Northern Iraq**
Q.M. Sadeq, U. Teknologi PETRONAS
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- 26606 **Microbial Controlling Strategy for Upstream Oilfield Process System**
A. Mustapa, PETRONAS Carigali Sdn. Bhd.
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- 26609 **Accurate Production Logging in Deviated Gas-Liquid Producer Wells**
I.M. Gok, Schlumberger DCS; T.T. Huynh, Schlumberger Vietnam Services; T. Khunaworawet, Schlumberger Overseas S.A.; and Y. Kim, J. Lee and D. Sun, Korean National Oil Co.
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- 26614 **Pressure Transient Behavior of Partially Naturally Fractured Reservoirs**
F.H. Qasem, Kuwait U.
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- 26616 **Experience on Deepwater Drilling Riser About Hang-Off Modes in Typhoon Condition of South China Sea**
L. Sheng, CNOOC Reseach Inst. and L.Xubin, CNOOC
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- 26617 **Severe Formation Damage Due to Solids Invasion in Inclined/Horizontal Wells With High-Permeability Zones**
M. Aljabbar and B.T. Marbun, Inst. Teknologi Bandung
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- 26619 **Modern Jack-Up Design Solutions for Mature Markets**
R. Baan and R.V. List, GustoMSC
- 26620 **Drilling Fluid Density Calculation Model at High Pressure High Temperature**
P. Qi, F.H. Hai and F.S. Yi, China U. of Petroleum, Beijing
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A. Abas, A. Mohammed Nor and M. Suhor, PETRONAS Research Sdn. Bhd.
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- 26623 **Analysis and Design Challenges and Solutions of 3 Sided Passive Fire Protection (PFP) on Steel Beam Decks for Offshore Installations**
E. Munoz-Garcia, MMI Engineering
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S. Larmann, Schischek GmbH
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A. Radicioni and M. Fontolan, Saipem
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S. Eyssautier, P. White and A. Clifford, Subsea7
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- 26634 Well Planning Optimisation Process: The Methodology for Well Planning Collaboration Case Study Gulf of Thailand**
J. Nate-pracha, Halliburton; M. Luckanakul, N. Chuemthaisong, F. Loux, PTTEP; and M. Christiansen and R. Harianto, Halliburton
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- 26637 Explore the Potential Benefit of Implementing Virtual Flow Meter as an Alternative Metering Solution**
R. Varyan and M. Lin, FMC Technologies
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G. Iskenova, Schlumberger; R. Bhargava, PETRONAS; J. Maldonado and J. Meyer, Schlumberger; S.N. Bt M Saad, PETRONAS; and J.H. Casado, S.K. Sharma and R. Abdul Rahman, Schlumberger
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- 26645 LNG Flexible Integrated With Fiber Optic Distributed Leak Detection System - Enhancing Safety, Integrity Monitoring and Life Assessments**
T. Abbasi, J.E. Hulst and V. Simoes, Genesis Oil and Gas; J. Gerez, Technip France; R. Hardiman, Technip USA; and J. Vlekken and J. Roosbroeck, FBGS Intl. NV
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- 26652 Geomechanical Forward Modelling to Optimise Well Trajectories and Avoid Pre-Existing Fractures in Ledang Anoa Field, Malay Basin**
M. Mohd Nor, M. Abdul Razak and S.P. Smith, PETRONAS Carigali Sdn. Bhd.

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- 26653 Perched Water, the Concept and Its Effects on Exploration and Field Development Plans in Sandstone, and Carbonate Reservoirs**
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- 26657 First Remedial Sand Control Treatments Case Study From Sumandak Field in Malaysia**
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F. Gui, A. Khaksar and W. Van Der Zee, Baker Hughes
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C. Zhou, X. Wu and H. Li, China U. of Petroleum, Beijing
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N.F. Glen, TUV NEL; D. Mills, Oil and Gas Systems Ltd; D. Griffin, Oil and Gas Authority; and S. Fosse, Norwegian Petroleum Directorate
- 26663 Innovative Multi Technologies Collaboration for Ultra HPHT Offshore Fracturing Stimulation**
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- 26666 Pipeline Design Philosophy and Standards - A Comparative Study and Recommendations**
N. Singh and S. Nair, McDermott
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- 26679 **Low Frequency Based Seismic Data Processing: An Effective Tool for Direct Hydrocarbon Indicator in Complex Lithological Environment**
G. Pandey, C. Vardarajan and D. Harilal, Oil and Natural Gas Corp. Ltd.
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- 26680 **Experimental Study on Severe Slug and Slug-Induced-Vibration of a Free-Hanging Flexible Riser**
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- 26683 **Further Insight Into the Shape of Wave Spectra Sea State Offshore Sabah & Sarawak**
S. Amurol Jamal and K. Ewans, Sarawak Shell Bhd.
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- 26685 **Intelligent Application of Novel Drilling Fluids System Thrives and Delivers Offshore HPHT Exploration Well Drilling in South China Sea West**
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- 26688 **Ultra-Broadband Array Sonic Logging for Deep Reading Formation Evaluation**
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- 26689 **Numerical Investigations of the Effect of Notch Tip Acuity in Pipeline Qualification Regarding Local Brittle Zones**
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- 26691 **Cement Isolation Packer - An Economic Method of Accessing Bypassed Marginal Reserves in Offshore Brown Field**
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- 26692 **Realising Un-Swept Potential in Channelised Reservoirs of a Brown Field Using Well Placement Technology**
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- 26696 **Optimising Drilling Parameters by Integrating Formation Collapse Gradient in Well Hydraulic Modelling to Eliminate Mechanical Wellbore Instability Problems**
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G. Govindan, Schlumberger Information Solutions
- 26707 **Cost Estimate Model for Malaysia Shallow Water Facility Decommissioning**
C. Nugraha, PETRONAS Carigali Sdn. Bhd.
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- 26708 **The Risk of Cryogenic Liquid Release Could Have Been a Show Stopper for the FLNG Market: How Did the Industry Respond?**
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- 26725 Renewable Marine Energy a New Market in Development**
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- 26726 Improving the Operational Performance and Reliability of Casing and Tubing With the Use of Dope-Free Connections**
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- 26746 Straits of Malacca Exploration Campaign - Lessons Learnt and Key to Success**
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- 26747 Prediction and Analysis of Hydrodynamics Loads and Motions of a Spar Platform 'CONSTITUTION'**
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- 26760 **Free Oscillation Analysis of Floating Bridge Panel at Different Water Depths**
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- 26761 **Combining the Old and New Techniques in Cement Bond Evaluation - Complimentary Data Sets and an Integrated Approach Yields Information for Decision Making - A Deep Water Well Integrity Assurance Case Study**
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- 26765 **Improved High-Speed Mud Pulse Telemetry Performance Under Harsh Conditions**
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- 26770 **An Integrated Root Cause Analysis of Casing Failure During an Offshore Casing While Drilling Level 3 Operation: Case Study of Field X, Indonesia**
R. Rizkiaputra, B.T. Marbun and A.F. Hardama, Inst. Teknologi Bandung (Alternate paper in technical session 26)
- 26771 **Sand-Silt-Clay Evaluation Models: Which One to Use - A Case Study in Malay Basin**
G.R. Gaafar and M. Altunbay, PETRONAS Carigali Sdn. Bhd., and E.A. Nagm, Halliburton Energy Services Group (Alternate paper in technical session 55)

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K. Ewans and R. Kadzim, Sarawak Shell Bhd. (Alternate paper in technical session 55)
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C. Sim, Keppel Shipyard (Alternate paper in technical session 13)
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- 26777 **New Technology Application of Overshot Assembly With Inverted Swellable Packer for Well Re-Completion in Aging Oil Producer Wells in Sarawak Waters, Offshore East Malaysia**
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- 26781 **Agile Activated Circulation Sub: Flexibility Risk Mitigation in Unconventional Wells**
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- 26786 **Foundation Design and Installation for the Ichthys Riser Support Structure**
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- 26791 **Comparison of LWD Monopole and Quadrupole Sonic Tools' Real-Time Data Quality for Real-Time Wellbore Analysis in Sarawak Basin**
N. Mahmud, Sarawak Shell Bhd.; K. Lim, Sabah Shell Petroleum Co. Ltd.; and M.F. Khodaverdian, Sarawak Shell Bhd. (Alternate paper in technical session 38)



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- 26801 Risk Based Integrity Management System for FLNG Hull Structure**
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- 26802 Seismic Resolution and Detection: Myth Versus Reality**
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- 26804 Sensitivity Study of Slug Induced Fatigue in Flow Line Spools**
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- 26805 Life Extension of an Offshore Field Through Structural Reliability Assessment With Wave-in-Deck Loading**
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- 26808 A Novel and Efficient Method for Wellbore Trajectory Design Risk Assessment and Optimisation**
P.D. Harbidge, Schlumberger, and A. Gerami, Schlumberger WTA Malaysia Sdn. Bhd.
- 26809 A Well Testing Analysis Methodology and Application for Tight Reservoirs**
X. Zhao, China U. of Petroleum, Beijing
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- 26810 Technical Challenges and Considerations for Floating LNG Terminals**
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- 26816 Electro-Hydraulic ICV Control System - A Novel Approach to Multi-Zonal Control**
E. Garcia and S. Saldanha, Halliburton
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- 26818 Model Test for Crane Installation of Subsea Equipment in Deep Water**
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- 26824 Ultra-High Pressure Drilling Riser Design**
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- 26828 Developing a Multiphase Reference Network to Support Well Optimisation & Flow Assurance**
M. MacDonald and T. Leonard, NEL
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- 26829 Developing New-Generation Disintegrable Material to Improve Efficiency of Multistage Fracturing Treatment in Cased-Hole Completions**
Z. Zhang, Z. Xu, Y. Xu and R.M. Allen, Baker Hughes Inc.
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- 26831 Mechanical Characterisation of Kerogen in Black Siliceous Shale via Nano-Indentation**
R. Zhang, Z. Ning, F. Yang and H. Zhao, China U. of Petroleum, Beijing
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- 26834 New Coiled Tubing Excitation Technology Leads to Greater Reach in the Wellbore**
T. Elfar, National Oilwell Varco
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- 26835 Influence of Improved Soil Layer With Deep Mixing Method on the Penetration Performance of Spudcan Foundations in Multilayer Clays**
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- 26836 New Method to Reduce Drilling Survey Time, Cost and Risk for Wells Drilled Offshore Malaysia**
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- 26837 Debris Flow Modelling for the Assessment of Infrastructure Interaction**
N.P. Boylan and D. Issler, Norges Geotekniske Inst.; T.J. Kvalstad, M. Vanneste and C.F. Forsberg, Norwegian Geotechnical Inst.; and A. Bandini-Maeder, Norges Geotekniske Inst.
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- 26838 Hydrodynamic Interaction Between Tension Leg Platform and Semi-Submersible in Close Proximity**
A.A. Malik, Z. Razin, S. Fathi and M.B. Tofa, U. Teknologi Malaysia, and H. Abyn, Persian Gulf U.
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 J.R. Bucknell, K. Chen and A. Lamb, iSIMS LLC; M. Gunn, London South Bank U.; and N.W. Nichols and N. Mooi, PETRONAS Carigali Sdn. Bhd.
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- 26858 Collaborative Well Planning as a Key to Efficient and Successful Complex Geological Sidetracks Planning and Monitoring in a Highly Overpressured Deepwater Environment: A Case Study From Malaysia's Fast-Track Deepwater Well**
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