

Deepwater

Technical Symposium



MONDAY, AUGUST 27

8:00AM - 3:30PM	Geoscience Seminar: <i>Deepwater Exploration in a Digitized World</i> with speaker John Dribus, Schlumberger Hosted by New Orleans Geological Society (NOGS) Julia Room, Marriott at the Convention Center
5:00PM - 8:00PM	Fin Feather Fur Food Festival Hosted by American Association of Drilling Engineers (AADE) New Orleans Chapter Generations Hall, 310 Andrew Higgins Drive

TUESDAY, AUGUST 28

7:00AM	Continental Breakfast				
	DRILLING TECHNOLOGY	GEOSCIENCE	PRODUCTION SYSTEMS	EMERGING TECHNOLOGY	STUDENT SESSION
8:30AM	Tubular Ratings and Utilizing Limit State Design for Survival Load in Deepwater HPHT Wells (Blade Energy Partners)	Jurassic Smackover Play: Controls on Facies Distribution and Reservoir Quality (U. of Alabama U. of Kansas)	Performance Evaluation of Virtual Flow Metering Models and Its Application to Metering Backup and Production Allocation (LSU)	Boarding Shut Down Valve (BSDV) Local Test Panel Technology (ATV hipps)	Semi-analytical Prediction of Critical-rate in Naturally Fractured Reservoirs with Water Coning (LSU)
9:00AM	Self-Adjusting PDC Bits Reduce Drilling Dysfunction, Increase Drilling Efficiency in Gulf of Mexico Wells (Baker Hughes)	Diagnostic Potential Drilling and Oil Production Issues Due to Organic Deposits – Bitumen, Tar – Presence (Schlumberger)	Two Successful Black Oil Foamer Applications in DW GOM (Baker Hughes)	Accessing Shallow Reserves in Existing Well for GoM Client (Halliburton)	Evaluation of Field EOR Potential for CO2 and Water Coinjection: Simulation Study to Investigate Foaming Effect (LSU)
9:30AM	Integrated Drilling and Logging Approach Optimizes Deepwater GOM Wellbore Construction (Halliburton)	Carbonate Seismic Facies Analysis: New Classification Scheme and Workflow for Exploration of Carbonate Plays (U. of Alabama)	Qualifying LDHI for Subsea and the Harsh Onshore Environment (Chevron)	Small Deepwater Field Development with a Flat Plate Spar Solution (Audubon Engineering Solutions)	Novel Technology of Smart Piggings for Pipeline Leak Detection: Mathematical Formulation of the Concept (LSU)
10:00AM	Break				
10:30AM	Improving Drilling Efficiency Using a Torque Management Approach in GOM Salt Drilling (Baker Hughes)	Hydrocarbon Exploitation: The Role of Laboratory Geomechanics (U. of Alabama)	Chevron GOM Fluid Processing During Flowbacks Lessons Learned (Chevron)	Offshore Well Control Rule (Offshore Operators Committee)	A Simplified Transient Multiphase Flow Model for Real Time Applications (LSU)
11:00AM	Petroleum Safety Action Program – Implementing a Highly Successful Safety Program Used in Aviation for Over 20 Years (OPES Solutions Group)	Reservoir Characterization of Methane Hydrates Using Numerical Models	Utilizing CFD for Understanding a Jumper Failure in GOM (Assured Flow Solutions, LLC)	Estimating Worst Case Discharge Rates from Uncontrolled Oil Wells using Variational Principle (LSU)	Development Strategies for a Fractured, Heavy Oil Reservoir - Results from Numerical Simulation (LSU)
11:30AM	Evolution and Enhancement of a Deepwater Well Containment Solution, Part Two (2018) (HWCG LLC)	A Concept Platform for Highly Efficient, Highly Accurate Wireline Special Operations (Schlumberger)	Inventive Technologies Applied to Modify Serial No. 1 Subsea Pumps (Chevron)	Wellhead Growth - One (of Many) Critical Challenges in Ultra-HT Well Design (Blade Energy Partners)	Experimental Investigation and Characterization of Filtercake – Rupture Resistance Near the Wellbore Wall (LSU)
12:00PM - 2:00PM	Luncheon and Keynote Speaker <i>The Evolution of Exploration During the Downturn and an Outlook to the Future Based on Recent Significant Global Deepwater Discoveries</i> John Dribus, Global Geology Advisor, Schlumberger				
2:00PM	Strategic Real Time Interpretation of Supercharged Formations During Pore Pressure Monitoring (Schlumberger)	Evaluate the Reservoir Connectivity, Late Gas Charge and Asphaltene Stability (Schlumberger Deep Gulf Energy)	Lessons Learned on Chemical Stability and Umbilical Certifications After an Unusual Winter (Assured Flow Solutions, LLC)	Lessons Learned From Drilling a Record Breaking Ultra-Deepwater Well Offshore Uruguay (Newpark Technology Center)	Reservoir Characterization of Methane Hydrates Using Numerical Models (LSU)
2:30PM	A New Mechanical Isolation Device Promotes Safety and Optimum Cement Placement (Shell)	Louisiana Coastal Geohazards Atlas – Assessing Sustainability of Oil & Gas Infrastructure in the Coastal Zone (New Orleans Geological Society)	Unified Alarm Management as a Key Enabler of Process Safety (Chevron)	Pre-and Post-Stimulation Diagnostics Using Spectral Noise Logging – Case Study (TGT Oilfield Services)	Hydrocarbon Influx Migration in Marine Risers (LSU)
3:00PM	Weight Reduction Technology in Deepwater Drilling (Landing String Solutions LLC)	Paleoenvironments and Reservoir Quality of the Norphlet Formation, Southwestern Alabama (U. of Alabama)	Methodology to Optimize the Power of Electric Submersible Pumps (LSU)	Stop Gas Migration and SCP in Production Casing and in All Casing Annuli using FECS & Bentonite Plugs (NeoProducts, LLC)	Analysis of Slug Flow with Implementation of PID Control (LSU)
3:30PM	Break				
4:00PM - 5:00PM	Plenary Session <i>BSEE and Industry Advancing Safe Deepwater Technology</i> Scott Angelle, Director, Bureau of Safety and Environmental Enforcement				
5:00PM - 6:30PM	Oilfield Trivia Challenge Hosted by Society of Petroleum Engineers (SPE) Delta Section Young Professionals Exhibition Hall, Marriott at the Convention Center				

WEDNESDAY, AUGUST 29

7:00AM	Continental Breakfast				
	COMPLETIONS	RESERVOIR & ECONOMICS	PIPELINE & SUBSEA INFRASTRUCTURE	RESEARCH DISCUSSION PANEL	STUDENT SESSION
8:30AM	Computational Fluid Dynamics (CFD) Simulations of a Closing Blowout Preventer Coupled With Wellbore Simulation (LSU)	Integrated Reservoir Study of the Who Dat Field in Deepwater Gulf of Mexico (LLOG Reservoir Frameworks)	Subsea Leak Detection Advances (Chevron)	Localization of Bubble Sources in Water Tank for Oil Spill Detection (U. of Mississippi)	Investigation of Fracture Conductivity Using Nano-Roughness Coating on Proppant Surface (UL Lafayette)
9:00AM	Digital Slickline: Case Studies Setting and Pulling Crown Plugs (Halliburton)	Optimized Reservoir Management using Production Logs in the Deepwater Gulf of Mexico Mars Field (Shell Halliburton)	Lazy Wave Riser Application on MD2 (BP)	Recent Innovations for Enhancing Oil Recovery from GOM (GGIM)	Improvement of Flow Models Applied to Worst Case Discharge Determination (LSU)
9:30AM	Cost Effective Interventions for Extending Well Life (TGT Oilfield Services)	Best Practices in Evaluating WFT Fluid Samples and the Blueprint for a Deepwater Fluids Program (Core Laboratories)	Application of Machine Learning Methods for Steel Catenary Risers (DNV-GL)	Research Needs in Deepwater Petroleum Systems (LSU)	Effect of Surfactant Type and Concentration on the Performance of Offshore Drilling Muds (LSU)
10:00AM	Break				
10:30AM	Real-time Downhole Data During Deepwater Multi Zone Frac Pack Enables Material Gains in Efficiency, Safety and Productivity (XACT)	Deepwater Reservoir Fluid Profiling and Sampling with Advanced Technologies, a Case Study (Schlumberger LLOG)	Updated Riser Life Extension Requirements (BSEE)	Fate and Transport of Polycyclic Aromatic Hydrocarbons in Northern Gulf of Mexico (LSU)	An Assessment of Deepwater Plugging and Abandonment (P&A) Placement Issues and Future Advances (LSU)
11:00AM	Deep-set SCSSV Insert Valves (Chevron)	Wireless Reservoir Monitoring in Abandoned Wells Improves Tie Back Positioning (Metrol Technology)	C-ROC (Shell)	Integrated Engineering and Geoscience Research in the Gulf of Mexico	Experimental Study on Biofuel Production by Simulating Geothermal Conditions (Nichols State)
11:30AM	Real-time – Enabled Coiled Tubing Solution Provided Cost-efficient Sand Control Failure Remediation in the Gulf of Mexico (Schlumberger)	Organizing Rock Mechanics Testing and Analyses for Deepwater Fields (Chevron)	Export PLET Design and Influence of Regulations (BP)		Difference in Fracture Mechanism of Shale Rocks (LSU)
12:00PM	Lab Observations on Dynamic Effective Stress Created by Dynamic Underbalance on Low UCS Formations (Halliburton)	Determining Reservoir Layer Pressures and Behind Pipe Flow Profile (TGT Oilfield Services)	BOEM Deepwater Gulf of Mexico Update (BOEM)		Laboratory Visualization of Fracture Propagation in Laminated Rocks (UL Lafayette)
12:30PM - 2:30PM	Luncheon and Keynote Speaker <i>Improving Returns in Deepwater Through Innovate, Collaboration and Technology</i> Jim Swartz, General Manager Asset Development, Chevron				
2:30PM	Closing Remarks				