

# Deepwater

Technical Symposium



## MONDAY, AUGUST 26

8:00AM - 3:30PM	<b>Geoscience Seminar: Mesozoic Overview Northern Gulf of Mexico Basin</b> Hosted by New Orleans Geological Society (NOGS) Blaine Kern A-B, Marriott at the Convention Center
11:30AM - 1:00PM	<b>Technical Luncheon: Lessons Learned About Surface and Subsurface Materials and Corrosion Failures</b> Hosted by American Petroleum Institute (API) New Orleans Riverbend Ballroom, Marriott at the Convention Center
5:00PM - 8:00PM	<b>Fin Feather Fur Food Festival</b> Hosted by American Association of Drilling Engineers (AADE) New Orleans Chapter Generations Hall, 310 Andrew Higgins Drive

## TUESDAY, AUGUST 27

7:00AM	Continental Breakfast				
	<b>DRILLING TECHNOLOGY</b> <i>Room: Blaine Kern F</i>	<b>GEOSCIENCE/ RESERVOIR &amp; ECONOMICS</b> <i>Room: Blaine Kern A</i>	<b>PRODUCTION SYSTEMS</b> <i>Room: Blaine Kern B</i>	<b>EMERGING TECHNOLOGY</b> <i>Room: Blaine Kern E</i>	<b>STUDENT SESSION</b> <i>Room: Magnolia</i>
8:30AM	Step Change in Design of Subsea Capping Stacks Unveils That Less is a Better Solution to Minimize Operator and Environmental Risks <b>Abel Engineering</b>	Improved Geoscience and Reservoir Formation Evaluation Data Utilizing a Novel Wireline-Conveyance System <b>Petromac</b>	Air Stripping Temperature Dependent Efficacy of Methanol Removal from Produced Oil and Water <b>LSU</b>	Characterizing Vertical Wells, and Landing and Characterizing Laterals: AHS's Volatile Analysis Service of PDC cuttings <b>Advanced Hydrocarbon Stratigraphy</b>	Performance Evaluation of Gas Lift Valves Using CFD Modeling <b>LSU</b>
9:00AM	Transient Analysis of Fluid Flow through A Closing Blowout Preventer using Computational Fluid Dynamics <b>LSU</b>	Eocene Salt Canopies, Buried Roho Systems, and Tar Occurrence in Keathley Canyon, US Gulf of Mexico <b>Schlumberger   Oil&amp;Gas E&amp;P Consultant</b>	Performance of Gas Lift Valves Using CFD Modeling <b>LSU</b>	Value of Combined NMR Core Analysis Techniques for Deep Water Reservoirs <b>Core Laboratories</b>	A Simplified Transient Multiphase Flow Model for Real Time Applications <b>LSU</b>
9:30AM	Broaching During Loss of Well Control in the Gulf of Mexico: Fracture Initiation Following Worst Case Discharge <b>LSU</b>	Integrated Managed Pressure Drilling, Mudlogging, Gas Detection, Cavings and Cuttings Analysis Together with Drilling Data Analytics, Machine Learning and AI as an Integrated Solution <b>Diversified Well Logging</b>	Wax Inhibitor Performance Evaluation in Flow Loop versus Cold Finger <b>Assured Flow Solutions</b>	Formation Testing Meets Digital: New Era for Wireline Formation Testing in the Gulf of Mexico <b>Schlumberger</b>	The Sleep Effects of Shift Work in the Oil and Gas Industry in the Gulf of Mexico <b>Nicholls State</b>
10:00AM	Break				
10:30AM	Expandable Liner Hanger Proves to be a Reliable Alternative to Hanging Large Casing String Inside 22-in. Seamed Pipe: Gulf of Mexico Case Study <b>Halliburton</b>	Early Reservoir Fluid Analysis Integration in Gulf of Mexico from Advanced Mud Gas and Formation Pressure Data, Impacting Operator Decision Making <b>Schlumberger</b>	Real -Time Integrated Flow Assurance Monitoring for Proactive Decision Making <b>Gate</b>	Fluid & Wellbore Strengthening Design for Narrow Margin Drilling <b>Newpark Fluids Systems</b>	Simulation of Foam-Assisted Mud Cap Drilling Processes <b>LSU</b>
11:00AM	Expanded capabilities of Temporary Suspension Systems in Large Casing Sizes with Inflatables <b>TAM International</b>	Buckskin Deepwater Development <b>LLOG Exploration</b>	Chevron Gulf of Mexico Fluid Processing During First Oil Flowback at Big Foot Lessons Learned <b>Chevron</b>	Ice Load Estimation for Arctic Offshore Structures by Discrete Element Method <b>LSU</b>	Absorption and Desorption Behaviors of Methane in Oil for an Enhanced Riser Gas Management <b>LSU</b>
11:30AM	Proof of Value in Automating the Drill Floor <b>Frank's International</b>	Mechanisms for Success and Failure in the Deepwater Norphlet Play <b>Talos Energy</b>	Dynamic Testing for Chemical Compatibility During Umbilical Flushing <b>Assured Flow Solutions</b>	Time Lapse Riser Inspection Through Multi-Dimensional Visualization Provides Advanced Mechanical Integrity Surveillance Solutions <b>Halliburton</b>	The Case for Direct Experimental Simulation Applied to Multiphase Flow in Wells <b>LSU</b>
12:00PM - 2:00PM	<b>Luncheon and Keynote Speaker: A Call to Action for Social Investment</b> Richard Tallant, VP Production GOM, Shell Riverbend Ballroom, Marriott at the Convention Center				
2:00PM	Self-Adjusting PDC Bits Demonstrate Lower Drilling Dysfunction and Higher in Rate of Penetration in Offshore Wells <b>Baker Hughes GE</b>	Deepwater US Gulf of Mexico Commercial Trends <b>Wood MacKenzie</b>	Molecular Simulations and Experiments to Accelerate Low Dosage Hydrate Inhibitor Innovation <b>Chevron</b>	Solid Propellant Accumulators – Increased Performance, Reliability, and Weight Savings for BOP's <b>Bastion Technologies</b>	Holocene Frequency of Paleo-Floods in Mobile Bay from Sediment Grain Size, Elemental, and Foraminifer Analyses: Implications for Recent Estuarine Eutrophication Events <b>Alabama</b>
2:30PM	A Novel Rotary Steerable System, Coupled with an Innovative Instrumented Bit, Delivers Section Plan in Deepwater GOM Project <b>Halliburton</b>	Observation of Paleostuctural Hydrocarbon Migration Pathways in the Tornado Field, Utilizing LWD Magnetic Resonance and Seismic <b>Baker Hughes GE</b>	Deepwater Umbilical Flushing Management Program <b>Chevron</b>	Wireline Retrievable Downhole Safety Valve for Deep Set Applications <b>Tejas Research and Engineering</b>	Modeling of the Geomechanical Properties of Hydrate Bearing Sediments <b>LSU</b>
3:00PM	Drilling Performance Step Change in Deepwater Interbedded Carbonates: A Case Study <b>Baker Hughes GE</b>	Applying Advanced Well Logs to Help Improve Downhole Formation Tester and Surface Shut-in Well-Test Analyses to Manage a Mature, Tight Volcaniclastic Reservoir <b>Halliburton</b>	Subsea Tiebacks and Associated Production Chemicals <b>Nalco Champion</b>	Applications of Distributed Fiber Optic Sensing Technology in Offshore Environments – Current State and Future Directions <b>LSU</b>	Paleoenvironments of the Norphlet Formation: Conecuh Basin, Escambia County, AL <b>Alabama</b>
3:30PM	Break				
4:00PM - 5:00PM	<b>Plenary Session: Making Dollars and Sense of Deepwater Gulf of Mexico Trends</b> Michael Murphy, CFA, Wood MacKenzie Riverbend Ballroom, Marriott at the Convention Center				
5:00PM - 6:30PM	<b>Oilfield Trivia Challenge</b> Hosted by Society of Petroleum Engineers (SPE) Delta Section Young Professionals Exhibition Hall, Marriott at the Convention Center				

## WEDNESDAY, AUGUST 28

7:00AM	Continental Breakfast				
8:30AM - 12:00PM	<b>Student Poster Session:</b> A Pitzer Ion Interaction Model for Gulf of Mexico Wellbore Integrity Assessments, LSU Improving Onsite Reservoir Fluid Characterization Using Mass Spectrometry, LSU				
	<b>COMPLETIONS</b> <i>Room: Blaine Kern F</i>	<b>HS&amp;E/REGULATORY</b> <i>Room: Blaine Kern B</i>	<b>PIPELINE &amp; SUBSEA INFRASTRUCTURE</b> <i>Room: Blaine Kern E</i>	<b>ENGINEERING &amp; GEOSCIENCE RESEARCH</b> <i>Room: Blaine Kern A</i>	<b>STUDENT SESSION</b> <i>Room: Magnolia</i>
8:30AM	Buckskin Completion Diagnostics Support Confident Decision-Making <b>Core Lab</b>	GOM P&A – Where We Are, Where We Need To Be <b>LSU</b>	Case Studies - Monitoring and Preserving the Integrity of Subsea Pipelines, Steel Catenary Risers, and the Systems That Keep Them Safe <b>Welaptega</b>	The Practice of Seismic Stratigraphy in Deepwater Settings: Quantifying Reservoir Risk & Uncertainty <b>CarTerra</b>	Design of a Low Density Seawater-Based Drilling Fluid for Hostile Environment Drilling <b>LSU</b>
9:00AM	How Real-Time Downhole Data is Optimizing the Efficiency of Completion Installations in the Deepwater Gulf of Mexico <b>Baker Hughes GE</b>	Subsea Leak Detection <b>Chevron</b>	Rigid Spool Design- Industry Challenges and Latest Research Developments <b>DNV GL</b>	Geophysical Velocity Models to Constrain Sediment Provenance in Frontier Exploration Settings <b>GGIM</b>	Effect of Oil:Water Ratio on Cuttings Transport in Invert Drilling Fluids <b>LSU</b>
9:30AM	Subsea Well Integrity – Permanent Monitoring of Annulus B and Experience Gained by Operators in the North Sea <b>Emerson</b>	Methodology & Requirements for Life Extension of Risers Connected to Floating Production Facilities <b>Cuneiform Offshore Consulting</b>	Decommissioning of Subsea Infrastructure for Independence Hub <b>Anadarko</b>	Production Challenges and Worst-Case-Discharge in the Gulf of Mexico Wells <b>LSU</b>	An Experimental Investigation of the Combined Effect of Filtercake and LCM in Fracture Sealing <b>LSU</b>
10:00AM	Break				
10:30AM	Capabilities of Internal Plastic Coating Systems in Offshore Environments <b>NOV</b>	All Things Safety in GOM <b>BSEE</b>	LLOG Subsea Asset Integrity Management Approach <b>LLOG</b>	Research Panel Discussion  Alabama  LSU  GGIM  CarTerra	Predicting Transient Wellbore Temperature Profile by Using Multi-Dimensional CFD Analysis for Offshore Wells <b>LSU</b>
11:00AM	Single-stage Stimulation Fluid for Sandstone Reservoirs <b>Schlumberger</b>	Air Quality Modeling Studies <b>BOEM</b>	Application of Integrated Flow Assurance Surveillance Tool and Pipeline Intervention Tool <b>BlueFin</b>		Comparative Analysis of Carbonate Sedimentation in Bahia de Santa Clara, Cuba and Florida Bay, USA: Implications for Initiation and Evolution of Carbonate Mudbanks <b>Alabama</b>
11:30AM	Who Needs Two Trips? Remotely Activated Downhole Tools Facilitate a Deepwater Single Trip Completion. A Case Study of the First Deployment. <b>Weatherford</b>	Air Quality and Plan Approvals <b>BOEM</b>	BSEE Riser Life Extensions Update <b>BSEE</b>		Examining the Relationship Between Water Chemistry and Carbonate Factory Type, Jurassic Smackover, Southwest AL <b>Alabama</b>
12:00PM	Deepwater Case Study: The Successful Development and Testing of V0 Rated 15ksi Permanent Bridge Plugs <b>Archer   Anadarko</b>	Aquatic Toxicity of Treatment, Completion and Workover Fluids Discharged in GOM <b>Offshore Operators Committee</b>	Pipeline Task Force, New Damage Prevention, Security Initiatives and NGO Partnerships <b>Coastal and Marine Operators</b>		"Pop-Up" Networking for Students
12:30PM - 2:30PM	<b>Luncheon and Keynote Speaker: BSEE Update</b> Scott Angelle, Director, Bureau of Safety & Environmental Enforcement (BSEE) Riverbend Ballroom, Marriott at the Convention Center				
2:30PM	Closing Remarks				