

DAY 1 – April 15, 2025

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8:15 – 8:30	Opening Remarks – Conference Chairs: Randy Thomas (Reagan) and Remie Ferreira (Paragon ISG)		
8:30 – 9:30	KEYNOTE –		
9:30 – 10:00	BREAK - Exhibits Open		
	Hall E	Hall A	Ballrooms B-C
10:00 – noon	Drilling Fluids 1 Session Chairs: Fred Fard (Vital) and Ramy Mahrous (Baroid)	Downhole Tools Session Chairs: Chris Montan (Vital)	STUDENT INTERACTIVE WITH INDUSTRY & HR
10:00 – 10:30	Improving Flat Rheology Properties of Organophilic Clay Based Non-Aqueous Drilling Fluids Systems - Jessica Ramirez Angulo, Brian Gollner, Maireus Venero, Nikki Hy (Baker Hughes). #004	Optimizing the pulse waveform of an axial-oscillation Friction Reduction Tool (FRT) to reduce wellbore drag with minimal ‘pressure drop’ while drilling - Scott Powell, Sheldon Macdonell, and Jarrett Campbell (Impulse Downhole Tools). #020	
10:30 – 11:00	Enhancing Raw Material Flexibility of High-Temperature NAF Chemistry: A Field-Proven Non-TOFA Emulsifier with Enhanced Efficiency and Sustainability - Dimitri Khramov, Chao-yu Sie, and Justin linscombe (SLB). #011	Fit for Purpose Motor Design: A Case Study of Improved Drilling Efficiency in the 7-7/8” Hole Size - Ivan Morales Becerra and Rohan D'Souza (NOV). #022	
11:00 – 11:30	Exploring the Improved Performance of PIBSA as an Emulsifier over Traditional Tall Oil Fatty Acid in Drilling Fluids for Fluid Loss Monitoring - Edmund Sandoval, Thomas Wilson, Jennifer Jackson, and Scott Schultz (Lubrizol). #013	Unpacking the Myths: Continuous Pumping is Not Continuous Fracturing - Timothy Marvel (SEF Energy) and Jose Padilla (Downing). #033	
11:30 – 12:00	Reducing Variability in Accretion Testing - Barrett Watts, James Stark, Mary Meng, and Xuanshi Fan (SLB). #034	Engineered Magnet System Reveals the True Quantity of Metal Contamination in Drilling Fluid - Robert Palmer and Arild Saasen (Jagtech USA), John Samuelli and Paul Scott (ConocoPhillips), and Matthew Offenbacher (AES Drilling Fluids). #054	
12:00 – 1:30	LUNCH & Speaker:		

* ### refers to the paper number. The full paper number is AADE-25-NTCE-### where ### refers to the three digit paper number.

Day 1 - Afternoon

1:30 – 3:00	Drilling Fluids 2 Session Chairs: Charlie Chitwood (Comstock) and Matthew Offenbacher (AES)	Drill Bits Session Charis: Ryan Broglie (MB Energy) and Andy Pauli (Baker Hughes)	Student Contest
1:30 – 2:00	Method Development to Evaluate Wellbore Instability of Mid- to Deep-Shale Formations - Nancy Zhou, Meng Lu, Janine Shipman, Steven Vaughan, Tim Dunne, Daniel Gardea, Weibin Zha, and Jason Ren (CNPC USA). #043	A Review of PDC Cutter Wear Enabled by Computer Vision Damage Classification - Cameron Devers, Dustin Lyles, and Tyler Abla (Taurex Drill Bits). #059	
2:00 – 2:30	Advanced Single Sack Loss Circulation Technology Sealing Larger Fractures suitable to use in Depleted Reservoir conditions - Michael Barry, Ajay Kumar Addagalla, and Autumn Shephard (Baker Hughes). #029	Improving Curve and Lateral Drilling Efficiencies: Case studies of bit and cutter designs that effectively utilizes the available WOB and reducing bit torque - Prabhakaran Centala, Brice Herve Benie, David Gagnon, and Luke Onderko (NOV). #019	
2:30 – 3:00	Nanotechnology-based High Performance Drilling Fluid Solution Optimizes Well Construction through Enhanced Wellbore Stability - German Charry, and Andrea Perez (Frontera Energy), Diana Florez, Sergio Molina, Ana Ulloa, and Luis Duran (Halliburton). #066	14.5mm Hybrid Cutter Design: A Case Study - Tyler Abla, Cameron Devers, and Casy Kitagawa (Taurex Drill Bits). #060	
3:00 – 3:30	BREAK Exhibits Open		
3:30 – 5:00	MPD Session Chairs: Josh Mallett (Comstock Resources) and Chris Jamerson (Coterra)	Lubricants Session Chairs: Ahmed Amer (Oxy) and Rafael Pino (Saudi Arabia)	Student Contest
3:30 – 4:00	Critical Aspects of Pressure Relief Valve System used in Managed Pressure Drilling Applications - Nitin Kulkarni (Blake Energy Partners). #010	Development of a Surfactant-Based Lubricant with High Resistance to Contaminants for Permian Fresh and Brine Clear Fluid Systems - Richard Collins, Zach Turi, and Dustin Richard (Drillchem Drilling Solutions). #038	

4:00 – 4:30	Implementation of Lean Methodologies in the Technology Adoption Cycle for MPD Processes in Unconventional Reservoirs - Mike Offner (Statis Drilling). #069	Mechanical Specific Energy and Rig Sensor Data: A Novel Approach to Lubricant Evaluation - Trevor Olson (ExxonMobil), Richard Toomes, Matthew Offenbacher, and William Petty (AES Drilling Fluids). #051
4:30 – 5:00	Performance Comparison of Managed Pressure Drilling (MPD) and Conventional Drilling in the Delaware Basin - Karnvir Gill, Ali Sadat, and Shawn Cody (Opla Energy). #061	Uintaite-Based Blend Enables Replacing OBM when Drilling an Extended Reach Lateral in the Permian Basin Using WBM. Case Histories - Katuska Aguilar, Corey Webb, Rick Percy, and Ghery Sotomayor (American Gilsonite). #048
NETWORKING EVENT		

DRAFT

DAY 2 – April 16, 2025

7:30 – 9:30	Cementing Session Chairs: David Giffin (ConocoPhillips)	Digital Solutions Session Chairs: Michael Behounek (Intellicess) and Bahri Kutlu (Drilling Metrics)	Case Histories Session Chairs: Jared Bouzek (Devon) and Yong Cho (Diamondback)
	Predicting Effects of LCM Particles on Rheology of Spacers and Cements – Part II - Afshin Ahamdy, Ron Morgan, Paul Jones, and William Pearl (Halliburton). #009	Utilization of downhole monitoring system with drillpipe deployed flotation collar in long horizontal - Nataliya Calahan and Lieb Kritzinger (NOV). #024	Non-polar Synthetic-Based Fluids Help Tackle Drilling Challenges in US Basins - Shawn Lu (P2Energy Services) and Don Van Slyke (Shell). #006
	Universal Fluid System Utilizing Sustainable Materials - Guoqing Jian, Ashok Santra, and Kenneth Johnson (Aramco Americas). #012	Real-Time AI Integration for Predictive Drilling Optimization Using Offset Well Data aids to reduce 4 BHAs and increase ~20% Drilling Efficiency - Zane Foster, Camilo Mejia, Ana Danielson, and Rebecca Ny (Enovate Ai). #026	Tailored Drilling Fluid Formulation with Nanoparticle Technology Contributes to Colombian Drilling Operation Optimization - Ferney Puentes and Mario Niño (Geopark), Carlos Gil and Ana Ulloa (Halliburton). #016
	Eagleford Cuttings as Cement Replacement Material - Alex Cedola (Exero Well Integrity). #015	High-frequency Embedded Drilling Dynamics Data is Helping to Reduce Permian Basin Drilling Costs - Steve Jones, Junichi Sugiura, and Zach Ference (Sanvean Technologies). #053	Advancements in Oil-in-Brine Direct Emulsion Drilling Fluids: Field Trial Success and Performance Improvements in West Texas - Steven Manmohan, Jeremy Smith, Dimitri Khramov, and Justin Linscombe (M-I SWACO, SLB). #017
	Tailored Loss Circulation Cement Spacer to Mitigate Losses in Malih and Abu Tabul Fields of Oman - Alamjad Al Ghafri (Halliburton). #007	Paired AI with Laser Technology leads to 30% improvement in downhole drilling motor performance - Justin Miller and Lonnie Smith (E&P Data). #058	Case History – How Improved Flowline Shaker Performance Negates the Need for Secondary Drying Shakers in Certain Drilling Situations - Danny Salinas (NOV), Jacob Shelhamer (Oxy). #028
9:30 – 10:00	BREAK Exhibits Open		
10:00 – 11:30	PANEL –		
11:30 – 1:30	LUNCHEON and Awards Presentations Speaker: Oleg Tolmachev (Vidnova Energy Consultants)		

DAY 2 – AFTERNOON

1:30 – 2:00	EXHIBITS are Open Best Exhibitor Award		
2:00 – 4:00	Zonal Isolation Session Chairs: Trevor Olson (XTO)	Directional Drilling & Drilling Mechanics Session Chairs: Fred Fard (Vital) and Brad Raymond (Tomax)	Wellbore Design Session Chairs: James Hayes (Desert Mountain) and John Huycke (Turning Point E&P)
2:00 – 2:30	Effective Use of Stabbed-in Inner-string Cementing Technique For Top-hole Temporary Abandonment In Deepwater Gulf Of Mexico - Elie Meyer (Murphy Oil), Iain Levie (Expro Group). #027	New High Data Rate MWD Telemetry System - Wilson Chin, Michael McKinley, Jamie Chin, Xiaoying Zhuang (Stratamagnetic Software). #005	Extreme Slim-Hole Connection Design Improves Drilling Efficiencies and Reduces Potential Opportunities for Safety Issues - Glenn Brown and Andrei Muradov (NOV-Grant Prideco), Curt Jones (Kaiser-Francis Oil Co) and Devin Delcambre (Quail Tools). #014
2:30 – 3:00	Innovative fluid systems for temporary zonal isolation and further enhanced removal to increase hydrocarbon productivity - Juan Esteban, Carlos Gamoa, John Avellaneda and Ginna Rosero (Baker Hughes). #032	A Conventional Steering Revolution: Use of a Rotational Steering Tool (RST) to Extend the Capabilities of the Conventional Bottom Hole Assembly - Drew Curran, and Chris Memi (Drilling Tools International) and Todd Wolff (Bison Oil & Gas). #049	Efficiently Employing Open Hole Whipstock Systems for Preserving Extended Lateral Sections and Reducing Operational Expense - Manuel Solis and Joseph Hopper (Wellbore Integrity Solutions). #064
3:00 – 3:30	Cement Restoration: Case Study Demonstrates Potential for Zonal Isolation Using Biotechnology - James Athans and Hayden Binde (BioSqueeze). #040	Optimization of a Digitally Controlled Rotary Steerable System for US Shale Drilling - Zach Ference, Steve Jones, and Junichi Sugiura (Sanvean Technologies). #056	Refining Best Practices of Horseshoe Wells – A New Case History - Matthew Offenbacher and Richard Toomes (AES Drilling Fluids), Michael Linse (Canvas Energy). #050
3:30 – 4:00	Innovative Scouring Spacer Applied in Liners Cementation Enhanced Cement Bond Logs: Case Studies from the UAE - Jonathan Pohl and Francisco Bermudez (Impact Fluid Solutions). #045	Drilling Faster: The Role of Vibration Mitigation in Well Drilling - Robert Borne (Neo Oiltools). #035	Validation of Well Placement within of Planned Ellipse of Uncertainty -Daniel Pinapavon and Josh Albright (Superior QC). #063
4:00	Raffle Drawing – Must be present to win! Drawing will be held in front of Registration Desk		

ALTERNATES
Open Hole Inflatable Bridge Plug to Isolate Losses and Place Competent Cement Plug - Katia Filina, Greg Venus and Luis Terrazas (TAM International). #008
Nano-emulsion for an active well control during drilling-in and completion operations - Vitaly Sergeev (Nanoborne). #021
Integrating Self-Degradable Fibers into Acid-Soluble Particulates to Combat Severe Losses across Reservoir Section in Qatar - Thein Phyo, Surya Pallapothu, and Mohamed Hacene (SLB). #031
Experimental Investigation and Optimization of Nano-Silica Smart Gel for remediating Leakages in CO2 Storage - Olatunji Olayiwola (University of Louisiana at Lafayette). #036
Acid Soluble Diverter Used to Free Differentially Stuck Coil Tubing - Richard Collins, Zach Turi, and Brandon Conner (Drillchem Drilling Solutions). #039
Synergy Unleashed: A Multi-Discipline Collaborative Approach Develops a Remedy for Total Losses in Vuggy, Karstified Dolomite Formation - Ken Atere, Hatem Shabaka, Manrique Cornelio, Murli Baheti, Mikhail Dange, Tywon Veazie (Halliburton). #065

STUDENT POSTER and PRESENTATION CONTEST

UNDERGRADUATE LEVEL	
Connor Chalmers Montana Tech	Impact of Additives on Drilling Hydraulics and ECD: A Semi-Analytical and Experimental Study. [#01]
Timothy McMullen University of Louisiana - Lafayette	Drilling and Completion Optimization to Maximize Hydrocarbon Recovery in the Volve Field. [#02]
Leonardo Gamez University of Texas – Permian Basin	Produced Water Management and Utilization in the Permian Basin. [#03]
Garrett Cox University of Wyoming	Challenges of Drilling Mowry Shale-Bentonite Layers: Can Nano-sized Bentonite Stabilize OBM Emulsions? [#04]
Joseph Hajba University of Wyoming	Predicting Bentonite-Based Drilling Fluid Properties: A Transition from Trial and Error to Predictive Analytics and Digital Twins. [#05]
GRADUATE LEVEL	
Betty Cepeda Louisiana State University	Evaluation of Dynamic Bullheading Well-Control Processes: Efficiency of Gas Displacement by Liquids in Vertical Downward Flow. [#06]
Thien Dong New Mexico Tech	Advancing Proppant Performance Evaluation with TrueCrush Testing Method. [#07]
Athar Hussain Texas Tech University	Geopolymers as a Sustainable Alternative: Assessing the Impact of Supercritical CO₂ on Cement Performance for CCS Applications. [#08]
Ekow Edusah University of Louisiana - Lafayette	Preliminary Assessment of the Selection of Orphan Wells to P&A: A Risk-Based Approach. [#09]
Elvin Allahverdiyev University of Oklahoma	Assessment of Supercritical Geothermal Well Completion Design. [#10]
Vitaly Sergeev University of Texas – Austin	Nano-Emulsion for Non-Damaging Drilling-in and Completion Operations. [#11]
Nicholas Lapinski West Virginia	Integrating Geomechanical Modeling and CO₂ Storage Assessments in Shale Gas Reservoirs. [#12]
** [###] refers to the AADE student paper number. The full paper number is AADE-25-NTCE-SPP-##.	