

CALL FOR ABSTRACTS



OPTIMIZING WELL CONSTRUCTION FOR THE FUTURE

2027 NATIONAL TECHNICAL CONFERENCE AND EXHIBITION

April 13-14, 2027 | Bush Convention Center | Midland, Texas

CALL FOR ABSTRACTS & CASE HISTORIES

The American Association of Drilling Engineers will return to Midland, TX to host the 2027 National Technical Conference & Exhibition, focused on advancing well construction through innovation, operational excellence, and emerging technologies.

Technical papers and presentations are sought covering improvements, lessons learned, field applications, case histories, and new technologies impacting well construction, drilling, completions, automation, sustainability, and operational performance.

Those interested in submitting a non-commercial technical paper and making a presentation are invited to submit a maximum 250-word abstract at: www.aade.org

Abstracts Due **September 18, 2026**

Notification of
Acceptance
October 5, 2026

Full Paper
Submissions Due
January 29, 2027



FOR MORE
INFORMATION
www.aade.org

SUGGESTED TOPICS

- Advancements in Drill Bits
- Advancements in Drilling Tool & Casing Connections
- Alternative Power Sources for Drilling Rigs
- Automation in Drilling Operations
- Autonomous Drilling Systems
- Carbon & Hydrogen Capture, Storage, and Infrastructure
- Case Studies of Unique Projects
- Cementing & Zonal Isolation Advancements
- Challenges of Completion Operations in ERD Wells
- Complex Trajectories & Geopositioning
- Control Systems
- Cybersecurity on the Rig
- Data Management for Operational Support
- Designing for the Full Well Lifecycle
- Downhole Tools & Equipment Advancements
- Drillout Efficiency in Low-Pressure Environments
- Drilling at Extreme Temperatures and Pressures
- Extended Reach Drilling and U-Turns
- Geothermal Adaptations
- High-Performance Completions Fluids
- High-Performance Drilling Fluids
- HSE Compliance in Well Construction
- Low-Emissions & ESG Advancements
- Managed Pressure Drilling
- New Technology
- NPT Risk Management
- Openhole Techniques Adapted for Plug Drillouts
- Practical Integration of AI into Workflows
- Real-Time Data & Predictive Analytics
- Regulatory Changes Impacting Well Construction
- Risk Mitigation
- Sustainable Plugging & Abandonment
- Transformations in Upstream Operations
- Upstream Manufacturing Efficiencies & Improvements
- Well Construction Improvements
- Well Control
- Well Planning & Spacing for Optimized Production