ADA AI™

DRILLING OPTIMIZATION

STEER CONFIDENTLY THROUGH YOUR PAYZONE
WHILE SHAVING DAYS OFF THE WELL

Our ADA AI™ Digital Ecosystem is the first to offer physics-based artificial intelligence (AI) which spans across drilling, completions, and production workflows of upstream operations. The system is provided through an open platform structure with 3 distinct offerings:

- ADA AI™ DRILLING SERIES
- ADA AI™ COMPLETIONS SERIES
- ADA AI™ PRODUCTION SERIES

ADA AI™ Drilling Optimimization is a product in the ADA AI™ Drilling Series offering that enables real-time production with drilling and completions optimization in a single cloud computing environment. ADA AI™ Drilling Optimimization empowers users with a simple, intuitive interface to enhance drilling performance while conforming to the safe operating environment that applies to both the well and the rig. Transitioning to this product will make the need for multi-screen analysis using large teams to filter past data not necessary. Through a simple intuitive interface, ADA AI™ Drilling Optimimization offers advanced analytics of historical field data using machine learning to provide a simple guide to the end-user allowing true ROP optimization to be realized – both safely and consistently.

ADA AI™ Drilling Optimimization incorporates multi-dimensional analysis of the drilling assembly, well trajectory, rig type, MSE, and formation characteristics, to provide a range of suggested drilling parameters that historically have yielded top-tier performance by hole section, bit type, and formation drilled. The dashboard, accessible via web browser and offered on an Intrinsically protected mobile tablet, houses a powerful alarm-driven interface with push-notifications via email and text, so users are instantly aware when a deviation occurs. By simply following the dashboard recommendation, users can drill with reduced risk knowing they will achieve optimal performance while also conforming to the safety limits of both the rig and formation being drilled.

As a tailor-made solution, ADA AI™ Drilling Optimimization can alternatively incorporate customer-specific data into the machine learning model to provide a true measure of the results under customer-centric metrics.

FEATURES

- Provides real-time monitoring, control, and optimization of the drilling process for reliable, safe decision-making

- Optimized predict-ahead ROP

- Provides MSE vs. ROP relational performance metrics

- Identifies Formation-top / lithology track

- Scales for different drilling environments, rigs types, and drilling assemblies

- Operates in conjunction with completions and production series offerings, as requested

- Works in a cloud-based platform with optimal security, speed, and accessibility

ENOVATE
UPSTREAM