

# MSE - Drilling Efficiency Evaluation

Ref: DP01

## Objectives

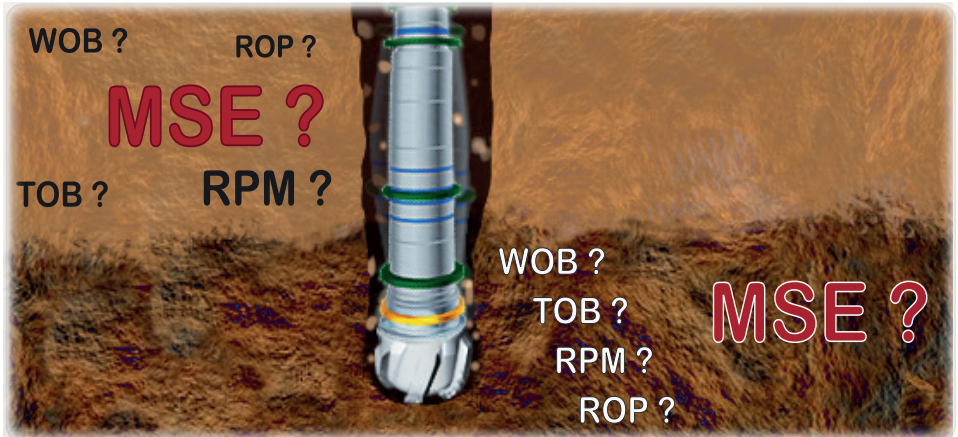
- Estimate downhole parameters from surface data (WOB, TOB, RPM and ROP) using proprietary approach
- Calculate bit MSE for real-time or post-analysis
- Compare bit drilling MSE against expected UCS baseline
- Detect inefficient drilling with unique Drilling Efficiency Index

## Benefits /

Real Time

Post-Well

- Maximise bit drilling performance by identifying the sweet spot for drilling parameters
- Improve WOB transfer to drill more efficiently
- More robust bit MSE estimation
- Direct bit drilling efficiency control with only surface data



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Estimate downhole parameters and calculate bit MSE

## Includes

- Surface drilling data treatment using advanced stiff-string T&D modelling
- Proprietary Rock-PDC bit coupling modelling
- Powerful post-analysis module with advanced data processing, analysis tools and graphical capabilities

## Deliverables and Timing

- Earliest result delivery within agreed days after reception of full and usable set of data
- Delivery of final PowerPoint® or written report within agreed weeks, intermediate reports on demand
- Result support from our most experienced Drilling Champions, upon request
- Result presentation in client's office (optional)
- Real-time support available onsite or remotely (optional)