CASE STUDY: MENATI ONSHORE OPERATIONS

Corva analytics deliver record ROP and reduce invisible lost time

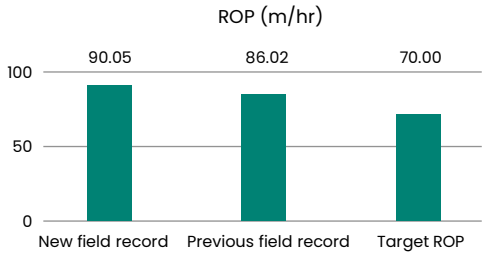
CHALLENGES

- Exceptionally interbedded formations, causing significant drilling dysfunctions
- Extreme downhole dynamics, increasing tool failure and non-productive time
- Conservative drilling parameters, intended to avoid dysfunctions, compromising drilling performance
- Consistent failure to track rig dependability and connection-time performance, limiting availability of key data

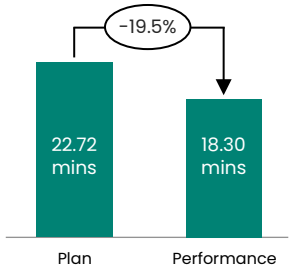
SOLUTION

Baker Hughes used **Corva** data analytics to enhance downhole visualization. Operational and performance improvements included:

- Optimization of surface drilling parameters, maximizing ROP and controlling drilling dynamics
- Weight-to-weight time benchmarking and monitoring, reducing invisible lost time through data-driven decision-making
- Performance of the new **Near Bit Dampener** benchmarked against offset wells, highlighting the technology's effectiveness



ROP achieved vs. previous field record and plan



W2W times: performance versus plan

RESULTS

20%
reduction in W2W vs. plan

5%
improvement in ROP vs. field record

15 hours
saved vs. nearest offset well

"Real-time, data-driven insights powered by Corva have helped us optimize ROP, drilling efficiency, and connection practices—reducing invisible lost time.

– **Hussain Al-Sameen & Hatem Abdeljaber**
Applications engineer

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