CASE STUDY: MIDDLE EAST OPERATIONS

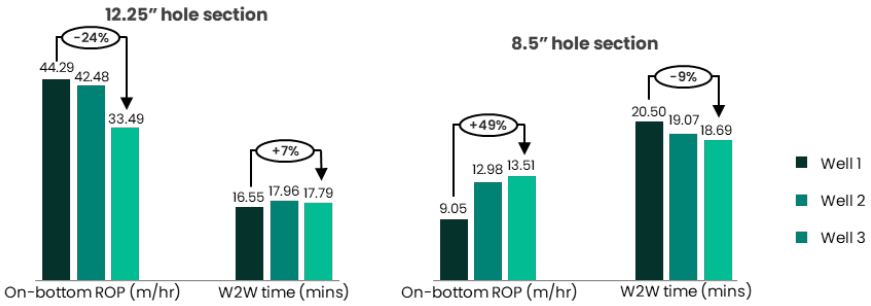
Data-driven drilling and 3D visualization maximize well performance and safety

CHALLENGES

- Building tendency in the 16” section while managing more severe vibrations than in the initial well
- Managing unexpected instability challenges in the 12 ¼” and 8 ½” sections—problems absent in the initial well
- Controlling trajectory with sufficient precision to land the well 0.6 m inside the reservoir target in the 8½” section
- Maintaining well placement within 0.5–0.8 m of the reservoir roof, despite navigating geologically challenging rock layers

SOLUTION

- Optimize well placement with Baker Hughes AutoTrak™ eXact steering unit and Reservoir Navigation Service engineering expertise
- Enhance customer experience with real-time advisory support powered by analytics from Corva and i-Trak™ drilling applications
- Maximize safety and drilling performance through 3D visualization partnership with 3D Well Construction
- Significantly outperform initial well and enable continuous improvement by applying lessons learned



RESULTS

100%
in pay zone, optimizing well placement and reservoir exposure

100%
reduction in non-productive time

33%
increase in production section rate of penetration

10%
reduction in W2W times

Zero
HSE incidents during well construction

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