CASE STUDY: OFFSHORE MEXICO OPERATIONS

Baker Hughes exceeds customer KPIs in shallow-water development well

CHALLENGES

- To meet a customer request for faster well delivery, Baker Hughes implemented a multiple BHA design in a J-type offshore well with:
  - Interbedded formations, causing high vibrations, especially at the Eocene-Paleocene interface
  - A need for increased reaming at inclinations above 30° because of cuttings

SOLUTION

- To optimize performance, Baker Hughes used state-of-the-art technologies such as **CARBO DRILL™** oil-based mud, **BRIDGEFORM™** for enhanced wellbore stability, **AutoTrak™ RSS** for precise directional drilling, and our **Dynamus™** high-performance PDC bit
- The team used **Corva** and **JewelSuite™** applications during pre-planning and execution to:
  - Develop a drilling-parameter roadmap
  - Monitor dysfunction prevention and rate of penetration in real time
  - Enable performance tracking and benchmarking against well plan

RESULTS

3 days
ahead of well plan

36 hours
saved vs operator goal

30%
reduction in W2W vs 15 min average

"Multiple key performance indicators clearly show Baker Hughes technologies and new digital applications delivering superior operational performance."

– **Romulo Rothe**
Well Construction Solution Engineer

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