

8 ½-in. hole section: Optimizing drilling parameters and weight-to-weight time

CHALLENGES

- Tool failures due to downhole vibrations
- Additional wiper trips needed due to tight spots and hole cleaning
- Multiple runs planned for the section

SOLUTION

[Corva](#) and [i-Trak™](#) applications were used to monitor and improve operational performance, including:

- i-Trak digital twin to model cuttings accumulations for circulating times and sweep program
- Corva to automate torque and drag sampling to monitor trend deviations compared to calculated models
- Optimized reaming times

RESULTS

15.9

days saved in overall drilling operations compared to P50 case

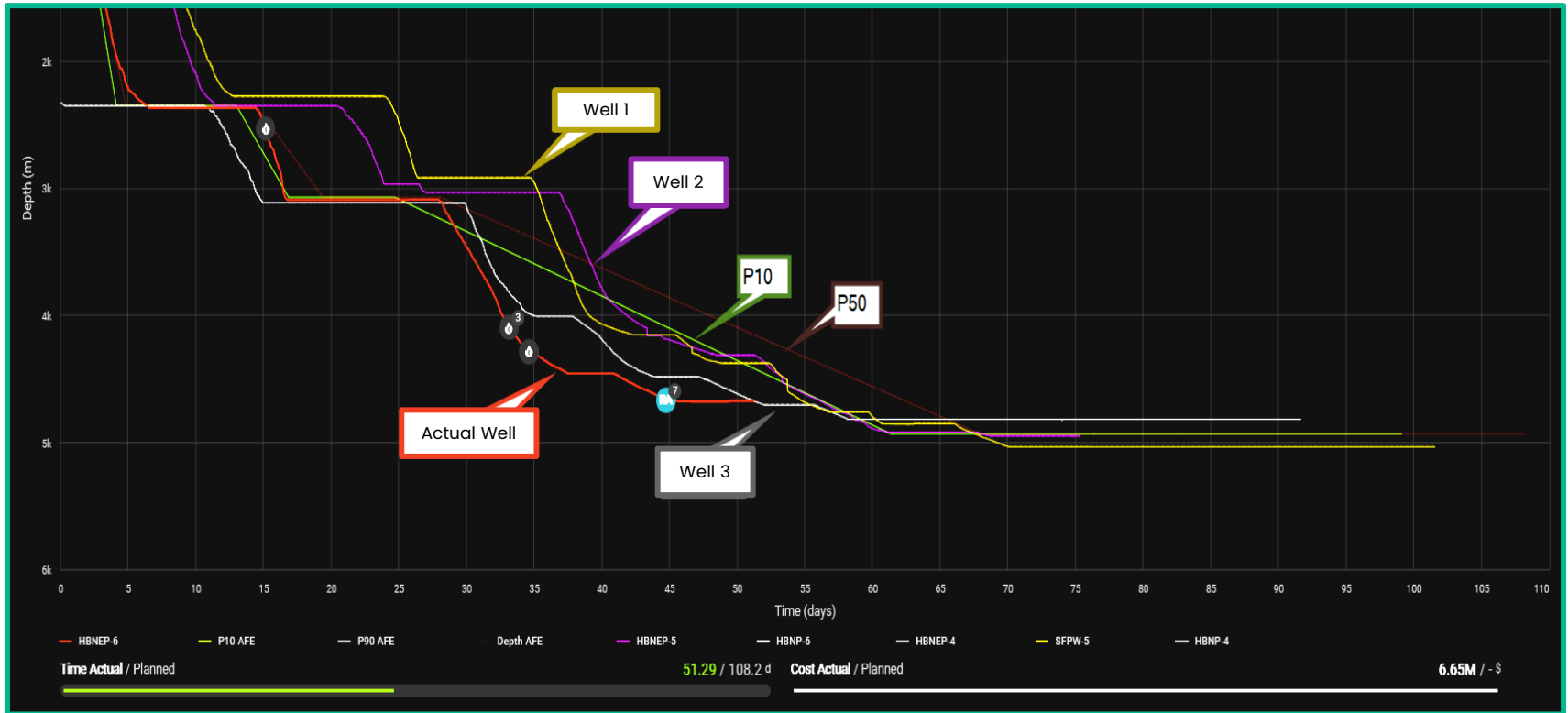
33%

weight-to-weight improvement time compared to direct offset

1,362m

drilled in a single run, establishing the current record in the field





Days versus depth comparison showing the overall performance improvement of the actual well versus the offsets in the field