Case Study

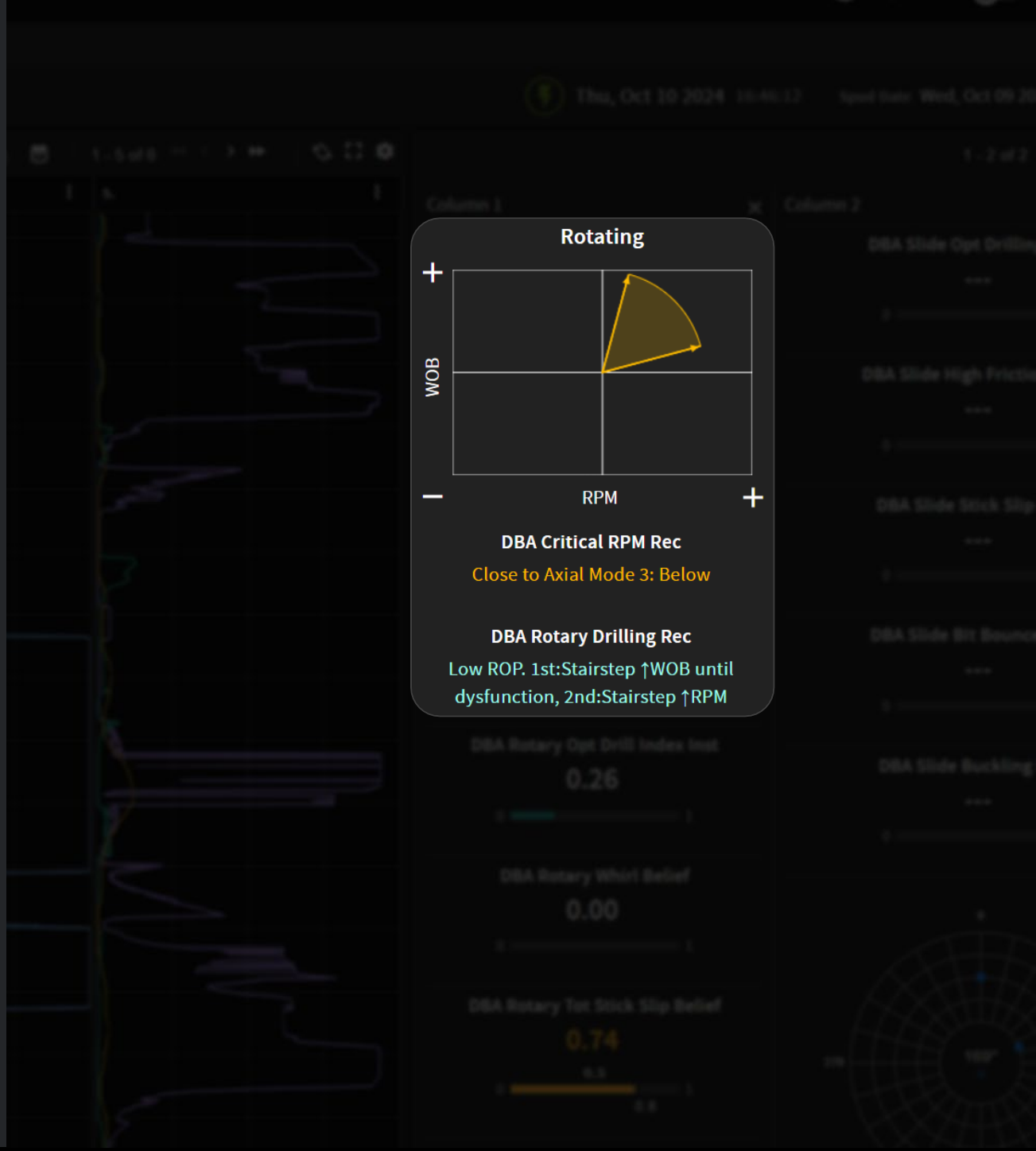
Drilling Beliefs & Analytics | DBA

Record-Breaking Well Delivered with Cone Drilling

By following DBA Cone Drilling parameter optimization and roadmaps, the rigsite team improved drilling practices, achieving the fastest well on pad. This proactive approach reduced bit wear, improved drilling efficiency, and delivered significant cost savings compared to offset wells in the same basin.

Cost Saved

$240,000



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Event Summary

The operator faced a performance challenge: drilling with excessive WOB caused rapid bit wear and limited efficiency. Drilling Beliefs & Analytics' (DBA) Cone Drilling feature optimized parameters while staying within roadmap targets, to balance bit longevity and ROP. By adopting this approach, the driller avoided common inefficiencies and maximized well delivery speed.

Response

Rigsite personnel implemented Cone Drilling in real time, adjusting drilling parameters based on DBA recommendations. By maintaining optimal WOB, RPM, and pump parameters, the team preserved bit life and sustained high performance through the curve and lateral sections.

Outcome and Value Delivered

The well was completed as the fastest well on the pad, setting a new benchmark for the operator in the Karr field. DBA insights enabled the rig to avoid costly inefficiencies, extend bit life, and achieve operational savings of approximately $240,000 USD. This case demonstrates how Cone Drilling guidance translates directly into measurable drilling performance gains.

Well Details

Timeframe:

June 2025

Location:

Karr Field - Canada Land

Well Section:

Intermediate & Lateral

Measured Depth:

5,200 m

Key Event Timeline

Pre-drill

Client challenge identified: excessive WOB and bit wear, limiting ROP and bit longevity

Drilling Initiated

DBA Cone Drilling provided optimized drilling parameters.

Execution Phase

Drillers followed recommendations, increasing WOB, RPM, and pump output.

Well Completion

Well achieved fastest TD among comparable wells in the area.

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