Eliminating Extra Trips in Five-Well Campaign

RSS Solution Streamlines Batch Drilling, Delivers USD 1 Million in Savings

Objectives

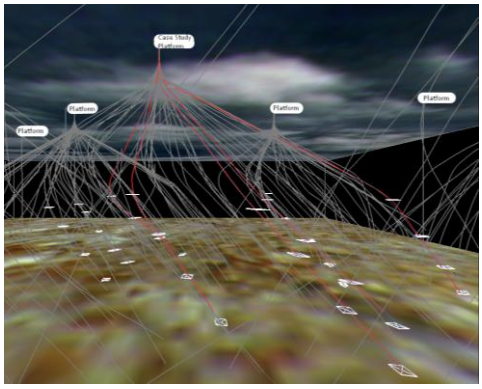
- Batch drill the 6 1/8-in section in one bit run across five development producer wells while meeting reservoir targets and directional requirements in the G1 field, Gulf of Thailand.
- Achieve the planned IADC ROP target of 82 ft/h [25 m/h].
- Acquire real-time and recorded LWD data while drilling the section.

Our Approach

- Replaced the planned steerable motor and adjustable gauge stabilizer (AGS) bottomhole assembly (BHA) with a Magnus® Saker RSS 475 BHA that drilled the entire section, avoiding additional trips, rig time, cost, a nd operational risk.
- Maintained continuous directional control, precise wellbore placement, and LWD acquisition using the Magnus Saker RSS along with the HEL™ hostile-environment-logging measurement-while-drilling system, BAP™ bore and annular pressure sensor, HAGR™ high-temperature azimuthal gamma ray tool, TVM™ total vibration monitor, and the IDS™ integrated directional sonde.

Value to Customer

- Saved 126.8 operational hours—approximately 5.2 rig days—by eliminating additional BHA trips, saving shoe-drillout time, and improving overall ROP versus plan.
- Delivered an estimated USD 1 million in operational cost savings while reducing complexity, nonproductive time (NPT) exposure, and execution risk across the batch drilling campaign.
- Surpassed the planned IADC ROP target and KPI expectations, achieving a maximum of 108 ft/h (33 m/hr).
- Unlocked drilling efficiencies in future and similar drilling applications.



The ruggedized design and advanced control architecture of the Magnus Saker RSS reduce operational risk while optimizing well placement to provide consistent, predictable performance from spud to TD run after run.

LOCATION
Gulf of Thailand

WELL TYPE
Development, producer

RIG TYPE
Jackup

FORMATION
Sandy claystone dominant, shale mixed

BOTTOMHOLE TEMPERATURE
300 degF (149 degC)

PRODUCTS/SERVICES
- Magnus Saker RSS
- HEL system
- BAP sensor
- HAGR tool
- TVM monitor
- IDS sonde

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