Khalda Petroleum Company Accomplishes Field Record with Ridged Diamond Element Bit

AxeBlade bit minimizes runs by 50%, saving USD 60,000 in Egypt

Using BHA analysis from i-DRILL service, Khalda Petroleum Company incorporated an AxeBlade bit into the BHA. The optimized BHA drilled 1,852 ft in 56.1 h at an ROP of 33.01 ft/h in one run, setting a record in South Um Baraka Field. The bit minimized vibrations, tool damage, and bit failure, reduced runs by 50%, and saved USD 60,000 compared with direct offsets.

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TECH REPORT
EGYPT
SOUTH UM BARAKA FIELD

Background
Khalda Petroleum Company wanted to optimize the BHA to minimize tool damage, bit failure, NPT, and runs while drilling a vertical well in a harsh downhole environment in Egypt.

Technologies
- AxeBlade* ridged diamond element bit
- i-DRILL* integrated dynamic system analysis service

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