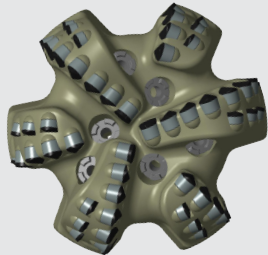


Background

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

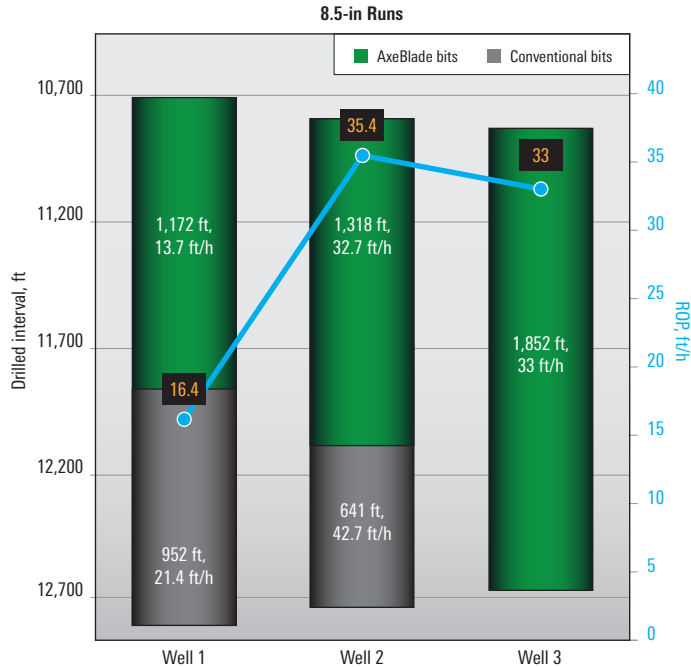
- AxeBlade\* ridged diamond element bit
- i-DRILL\* integrated dynamic system analysis service



AxeBlade bit.

# Khalda Petroleum Company Accomplishes Field Record with Ridged Diamond Element Bit

AxeBlade bit minimizes runs by 50%, saving USD 72,000 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 72,000 compared with direct offsets.

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