

# Rolling Diamond Cutting Element Saves 2.6 Days and USD 123,000

EnduroBlade 360 bit drills long interval with high ROP through hard, abrasive formation, onshore Thailand

Using EnduroBlade 360\* rolling diamond element bit saved PTTEP 2.6 days and USD 123,000 compared with the closest offset.

## PTTEP's goal

While drilling onshore Thailand, PTTEP wanted to reduce bit trips and increase ROP in an 8½-in section consisting of hard and abrasive sandstone with interbedded shale.

## What was tried first

In the offset well in the same TVD interval, a 7-blade conventional PDC bit with 16-mm cutters drilled a short interval with slow ROP and required multiple trips.

## What Schlumberger recommended

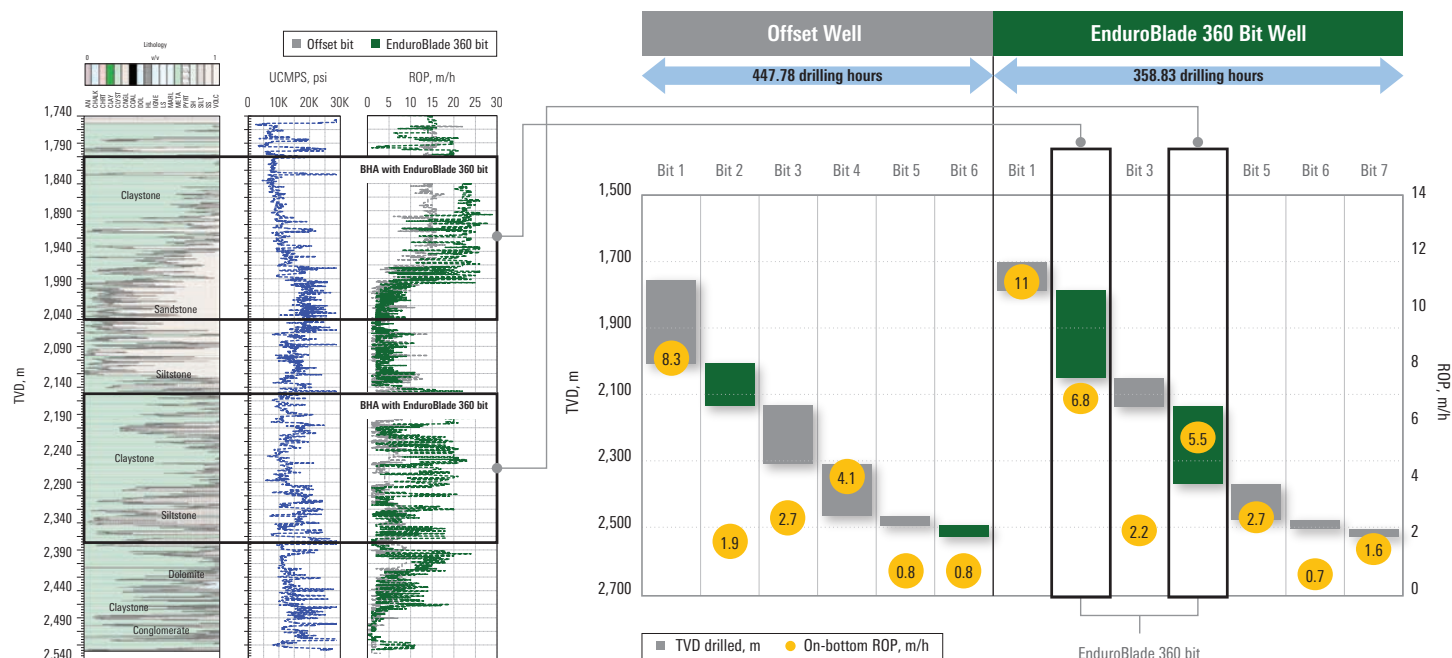
EnduroBlade bits feature the Enduro 360\* rolling diamond cutting element that rotates to disperse heat and wear. The rotating action enables the cutting edges to stay sharper longer, extending bit life beyond the life of PDC bits with flat, fixed PDC cutters.

## What was achieved

Using the EnduroBlade bit enabled PTTEP to increase bit durability and boost ROP by an average of 20 ft/h, saving 2.6 days of drilling. In one BHA, the bit drilled the longest interval in the field.



The 8½-in EnduroBlade bit.



Using the EnduroBlade bit helped increase ROP and save 2.6 days of on-bottom drilling time.