



Weatherford®

REAL RESULTS

DwC™ Services Save 34 Hours of Rig Time, Complete Casing Run in Single Trip

Objectives

- Drill and case an 1,831-ft (558-m) section.
- Eliminate NPT related to hole problems on the surface, including loss of circulation, sloughing, mud rings, and stuck pipe.

Results

- Weatherford successfully deployed its drilling-with-casing (DwC) system, and simultaneously drilled and ran casing for an 1,831-ft (558-m) section.
- The team completed casing 34 hours faster than conventionally-drilled offset wells by eliminating wiper trips.
- The rate of penetration was equal to that of an offset well drilled using a PDC.
- Once the operation was complete, the Defyer™ DPA drillable casing bit was drilled out with a PDC bit, incurring no damage to the drillout bit.
- Loss of circulation, while present, resulted in zero hours of NPT.

Value to Client

- The system completed the drilling-with-casing run 34 hours faster than a conventional run.
- The operation reduced NPT by eliminating wiper trips and completing both the drilling and casing processes in one run.
- The Defyer DPA drillable casing bit drilled more than 1,800 ft with no damage to the PDC drillout bit.



The Weatherford Defyer DPA drillout bit, pictured above, and DwC system simultaneously drilled and ran casing for an 1,831-ft (558-m) section in a single run, and completed casing 34 hours faster than a conventional run. This operation also reduced NPT by eliminating wiper trips.

Location

Kaybob South Field, Canada

Well Type

Onshore, horizontal

Section

Surface

Casing Size and Type

9 5/8 in., J55 CDC

Section Depth

1,831 ft (558 m)

Products/Services

- DwC technology
- Defyer DPA 6413 drillable casing bit
- PDC drillout bit

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