CTDirect System Increases Average ROP by 200% in Deep, Tight-Gas Reservoirs

Operator drills more than 3,600 ft in a single run, Middle East

After introducing the CTDirect system, 8,620 ft were successfully drilled in a deep well with high temperatures. In the best run, the BHA drilled 1,400 ft [427 m] in 24 h, exceeding the field’s average TTRD ROP record by 200%.

Background
In the carbonate layer of an interbedded formation, an operator encountered wellbore stability and BHA sticking issues when drilling openhole laterals with nitrogen-enriched fluid.

Technology
CTDirect* coiled tubing directional drilling system