

COILED TUBING & PUMPING OVERCOME PLATFORM CRANE LIMITATIONS

Country: UK
Technologies: Coiled Tubing

MAKING INTERVENTION
SMARTER

Coiled Tubing string is spooled from a supply vessel and between decks, in one seamless operation, to overcome platform crane limitations.

- 20,000ft of coiled tubing was successfully spooled in 16 hours
- Enabled the operator to perform remedial work on two wells

CHALLENGE

To provide a sufficient length of coiled tubing from a supply vessel to an oil producing platform to enable vital remedial work on an extended reach well. The platform crane was limited in its capacity and was unable to lift a coiled tubing unit with the required length of coiled tubing into position. Furthermore, the rig-up had to span two separate decks on the platform with no clear line of vision and deck weight limitations had to be considered throughout the operation.

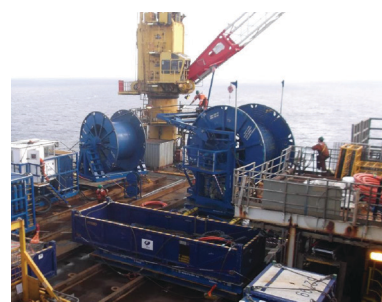
SOLUTION

A coiled tubing welding option was considered to resolve the challenge but was rejected in favour of a boat spooling solution. Yard trials confirmed the boat spooling option would effectively navigate the coiled tubing 150ft vertically up to the platform, 60ft vertically, then a further 150ft horizontally from the skid deck to the pipe deck. Through the combination of bespoke boat spooling equipment and a customised 'deflector spool' on the skid deck, the coiled tubing was successfully navigated from the vessel to the skid deck and then to the pipe deck in one seamless operation.

RESULTS

A total of 20,500ft of coiled tubing was successfully spooled from the vessel to the pipe deck in just 16 hours. The success of this operation enabled the operator to perform remedial work on two of the platform wells.

Pipe Deck
Skidding & Turntable System/Deflector Spool



Skid Deck
Customised Loading Frame

