

**EXPRO**

WELL FLOW MANAGEMENT™

/ Expro Excellence Subsea

Compact large bore landing string allows operator to use rig of convenience to achieve first oil target



Objectives/background

- BP required a vertical tree system with a compact BOP stack on the PBLJ semi-sub for the new Arundel field in the North Sea – the allowable space was extremely limited utilising an existing rig, therefore standard equipment options would not fit

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- A review of existing equipment variations was undertaken, however the challenge was the space available within the stack – Expro undertook to design a custom system inclusive of a full large bore landing string assembly with offset adaptor and helix sub-assemblies
- The bespoke system comprised a one piece slick joint, helix and offset adaptor with a 180° orientation window (versus 360°) and an upper section c/w latch from the Expro Landing String Assembly (ELSA) direct hydraulic (DH) system, which enabled it to fit the BOP stack
- Expro collaborated with BP to agree the solution – sketch to engineering took 15 working day; thereafter manufacturing took 12 weeks

Value to client

- Compact large bore landing string allows operator to use rig of convenience to achieve first oil target
- BP were able to produce from the new field without the need to increase the BOP stack, which would have had cost and time implications
- The revised stack up saved >20 inches and cost approximately 88% less than the combined cost of a new global riser analysis (GRA), manufacturing, rig installation time and testing

Subsea test trees have become the established safety system for well commissioning and intervention, with new standards developed to ensure well integrity is maintained at all times. As market leaders in subsea completions, Expro is committed to maintaining our position at the forefront of landing string technology as we continue to deliver the safest and most cost effective solution for our customers.

Expro are renowned for bespoke unique solutions, meeting or exceeding our clients' needs.

From concept to design, Expro are proud to meet the demands of today and are well structured for the demands of tomorrow with industry leading innovations.

Contact

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