

Chevron Frade Field Development



Client:
Chevron

Location:
Campos Basin, Brazil

Project Type:
SURF

Working for Chevron on the Frade Project, Subsea 7* demonstrated extensive knowledge, skills and capabilities in deepwater field development.

Utilising our teams from around the world we installed over 132km of flexible flowlines. Despite the challenges - 122km offshore and in water depths of up to 1350 metres - we were able to pull-in 22 wet-parked risers, 18 flexibles and four umbilicals in just 8.5 days, developing new technologies and techniques along the way. Additionally, we conditioned 41km of flexible flowlines, believed to be a world record.

*Project carried out by Acergy prior to merger with Subsea 7.

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Date Awarded

June 2006

Date Completed

June 2009

Vessels/Spoolbases Utilised

Polar Queen
Acergy Discovery
Acergy Harrier

Overview

Our scope of works on this project included 22 suction piles, 105km of flexible flowlines and 27km of flexible risers. Additionally, we installed 26 in-line SLEDS and two PLETS, 31 jumpers, 29.5km of static in-field umbilicals and four dynamic umbilicals.

Our approach to innovation is clear on this project. We designed, manufactured and installed a Pipeline End Termination (PLET) Handling System (PHS) on the *Polar Queen*, as well as developing a heave velocity programme to expand the offshore operating window and accurately installed flexible flowlines in 1400m water depth with up to four in-line sleds attached. Additionally, Subsea 7 wet parked and pulled in all 22 risers.

Alongside our technical and engineering capabilities, this project also demonstrates our ability to utilise our resources worldwide, both onshore and offshore, ensuring the best end result for the Project.

Whilst demonstrating excellence in engineering and innovation, our focus on quality and safety remained paramount. The critical riser pull-in phase was completed ahead of schedule and without incident. The gas line, despite its length and multiple connections, tested free of leaks.



Polar Queen



Acergy Discovery



Acergy Harrier



Frade Project jumpers