

Total Pazflor



Client:
Total E & P Angola

Location:
Block 17, offshore Angola

Project Type:
SURF

The Pazflor Project, located in Block 17, deep offshore Angola, will develop the resources of two independent groups of reservoirs; Miocene and Oligocene.

Our scope of work on this project includes all activities relating to SURF facilities for the full development of four reservoirs and includes the installation of three Subsea Separation Units (SSU) - the first ever to be deployed in deepwater fields.

The project will see the installation of 54km of rigid pipelines, 10 flowline piles and 18 rigid jumpers. Additionally, our teams will install 87km of dynamic and static umbilicals, three manifolds, 16 FPSO mooring lines and piles and two flexible dynamic risers.

Project

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Water Depth

up to 1200m

Year

2007

Vessels/Spoolbases Utilised

Acergy Polaris
Acergy Eagle
Acergy Legend

Overview

The Project is located approximately 40km to the east of Dalia FPSO and 150km to shore. Our work on the Miocene reservoirs was conducted in water depths of between 600 and 900m, containing heavy, acid and viscous oil. This was developed with Subsea gas/liquid separation and liquid boosting.

The second group of reservoirs, Oligocene, are located in water depths between 1000 and 1200m and contain light and paraffinic oil, which will be developed with a production loop including riser bottom gas lift.

The development includes 49 wells with 18+ production wells and 17+ water injection wells in the Miocene reservoirs, all connected respectively to the production and injection lines via In Line Tees.

The Oligocene reservoirs have seven production wells, five water injection wells and two gas injection wells. The production wells are connected to three, four slot manifolds on the production loop. The injection wells are connected to the water injection line and to the gas injection line respectively.

In addition, our scope of works includes a Subsea Separation System, with three SSUs, Subsea Umbilicals, Risers and Flowlines system for production, water injection, gas injection and gas import and export.

To support this project, and as part of our ongoing fleet investment programme, the *Acergy Polaris* J-lay Tower has been enhanced with the integration of two Friction Clamps, one Welding Rotator and one permanent Working platform. In addition a brand new winch has been added to deploy FPSO mooring cables.

The *Acergy Eagle*, will lay three SSU umbilicals, with one extending to 30m. This is possible due to her variable Radius Controller and fully openable tensioner.

Our commitment to using new technology is further demonstrated on this project, with the fabrication of rigid jumpers made of SuperDuplex material. This was a first for our teams from Sonamet.

Throughout this project, our teams have maintained a focus on team work, working as part of a consortium, and safety. During this project the *Acergy Legend* achieved in excess of 2000 days without a DAFWC.



Acergy Eagle



Acergy Polaris



Foundation Base Structures