

Shell Perdido Umbilical Installation



Client:
Shell

Location:
Gulf of Mexico

Project Type:
SURF

Subsea 7* achieved a new world record on this Shell Project, completing installation in water depths of over 2900m (9425fsw) flawlessly demonstrating our capabilities in deepwater developments.

Work was carried out for Shell at the Perdido Area Development, in the Gulf of Mexico and included the installation of seven subsea umbilicals, totalling 66km in length. The Project utilised two of our advanced flexlay and subsea construction vessels, the *Polar Queen* and the *Acergy Eagle*, as well as Subsea 7 Remotely Operated Vehicles to install equipment remotely.

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

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Date Awarded

December 2007

Date Completed

June 2009

Vessels/Spoolbases Utilised

Polar Queen
Acergy Eagle

Overview

The Perdido Project included the installation of seven subsea umbilicals, totalling 66km in length. This included four dynamic umbilicals connecting the Perdido Spar. The umbilicals were installed by the *Polar Queen* at a depth of 2941m. For the four dynamic umbilicals a second end pull in was completed at the spar.

In total 159 pieces of Subsea Distribution Hardware (SDH) were installed. This included:

- 10 UTH mudmats
- 7 EDM mudmats and associated modules
- 26 steel flying leads
- 79 electrical flying leads
- 3 hydraulic flying leads
- 12 UTA jumpers

The SDH was installed remotely from the *Acergy Eagle* using Subsea 7 ROVs. This was done through both vertical access to the site and by swimming components horizontally to locations under structures.



Polar Queen



Acergy Eagle



Polar Queen on Shell Perdido



Perdido Spar