

Thunder Hawk

PROJECT OVERVIEW

The Skandi Neptune used the newly installed Portable Vertical Lay System (PVLS) on this project



Installation of a 11.4km umbilical for the development of the Murphy Thunder Hawk field in the Gulf of Mexico, USA.

Project included the following elements:

- 1 x dynamic control umbilical (11.4km)
- 5 x electrical Flying Leads (EFL)
- 3 x hydraulic Flying Leads (HFL)

LOCATION

The Thunder Hawk Development is located in the southeast corner of block 734 in Mississippi Canyon. The field is located approximately 145 miles southeast of New Orleans in 1740 metres of water.

CLIENT

Murphy Exploration & Production Company

PROJECT DURATION

Contract Award May 2007
Offshore Campaign May 2009

ASSETS

Skandi Neptune

SCOPE OF WORK

Subsea 7 was responsible for the installation of one control umbilical from the Thunder Hawk Flotation Production System to the Subsea Umbilical Termination Assembly (SUTA) located approximately 5.3 miles away at the Thunder Hawk well location, as well as the installation of hydraulic and electrical flying leads. Project management and engineering was executed from Subsea 7's North America office in Houston.

Mobilisation of the project equipment took place at Subsea 7's core base in Theodore, Alabama, which included the mobilisation of a 12m carousel system.

The Portable Vertical Lay System (PVLS) installed on the Skandi Neptune during the summer of 2008, was used during the installation.



Manoeuvring Bend Stiffener over PVLS



Deployment of Subsea Termination Assembly



PVLS system in operation