

Marathon Droshky



Client:
Marathon Oil Company

Location:
Gulf of Mexico

Project Type:
SURF

2010 saw the completion of the Marathon Droshky project. It involved the installation of tieback facilities from the Droshky development to the Shell Bullwinkle platform in the Gulf of Mexico and was the first project to have made use of Subsea 7's new Port Isabel pipeline spoolbase in Texas.

The scope of work included the engineering, fabrication and installation of approximately 58km of 8" pipeline, 1km of 8" risers, four termination pipeline end terminations (PLETs) and two initiation pipeline end manifolds (PLEMs). In addition, the scope included metrology, fabrication and installation of three rigid jumpers as well as pre-commissioning of the entire Droshky flowline system

Marathon Droszky

Project

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Client

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Location

Gulf of Mexico

Water depth

411m to 914m

Project Type

SURF

Date Awarded

July 2008

Date Completed

February 2010

Vessels/Spoolbases Utilised

Port Isabel Spoolbase
Seven Oceans
Skandi Neptune

Overview

The Droszky project included the following elements:

- 2 x 8" Insulated production flowlines (29km)
- 2 x 8" Insulated production risers - J tube pull in (570m)
- 3 x 8" Jumpers
- 4 x 8" Midline pipeline end terminations (PLETs)
- 1 x 3 Hub production pipeline end manifold (PLEMs)
- 1 x 4 Hub production pipeline end manifold (PLEMs)
- 6 x mattress crossings
- Pipeline pre-commissioning
- Pull-in spread on bullwinkle platform
- First contract for Subsea 7's new spoolbase in Port Isabel

The Droszky field development, with a water depth of 900 metres (2950 ft), serves five subsea wells via two 29km (18 miles) insulated pipelines. The development is a life extension of the Bullwinkle platform, which has seen decreasing production in recent years. This is Marathon Oil Company's first Gulf of Mexico project in 14 years as well as its first ever deepwater Gulf of Mexico project.

Droszky was the first project undertaken at Subsea 7's new Port Isabel Spoolbase. Pipeline production took place at Port Isabel between June and October 2009 and offshore operations commenced with the arrival of the *Seven Oceans* at the Port Isabel Spoolbase on the 3rd of October 2009, to start the first of three pipelay campaigns.

The Port Isabel spoolbase was officially opened in July 2009 and enables Subsea 7 to offer a deepwater rigid pipelay service to clients in the North America region. Located in Port Isabel, approximately 11 kilometres (seven miles) from Brownsville, Texas, it is 1.5km (0.9 miles) in length (including 1.2km stalk rack and 0.3km fabrication building). The base employs up to 100 people when working at normal capacity.

In addition to the fabrication and installation of the pipeline for the Droszky project, Subsea 7 conducted the engineering, fabrication and installation of two 580m (1900ft) 8" risers, four termination pipeline end structures and two initiation pipeline end manifolds. The scope also included metrology, fabrication and installation of three rigid jumpers as well as pre-commissioning of the entire Droszky pipeline system.



The Seven Oceans completed installation of flowlines, risers and associated subsea equipment



The Skandi Neptune completed installation of the mattresses and jumpers



Seven Oceans laying pipe