

Santos Casino- Henry



Client:
Santos Limited

Location:
Offshore Victoria, Australia

Project Type:
SURF

The successful completion of this project for Santos builds upon Subsea 7's established track record in Asia Pacific of delivering projects safely, efficiently and on time.

The Casino-Henry project was a subsea tie-back to the existing Casino field development, which Subsea 7 was originally involved in the development of during 2005 - installing mattresses, jumpers, structures and also completing the tie-ins. Subsea 7's work scope for the 2009/2010 project required the Henry and Netherby fields to be tied back to the existing Casino field, and involved the engineering, procurement, installation and commissioning of 21.7km of rigid pipeline, as well as umbilicals, stabilisation mattresses and pipeline end manifolds.

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Project

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Location

Offshore Victoria,
Australia

Water depth

Up to 72m

Project Type

SURF

Date Awarded

August 2009

Date Completed

March 2010

Vessels/Spoolbases Utilised

Seven Navica
Rockwater 2

Overview

The project included:

- Installation of 21.7km of 12" rigid pipe complete with in-line tee skids
- Installation of 4 sections of umbilical (ranging from 6.5km to 3.3km) utilising an in line tensioner and reel drive system
- Rigid spool installation and metrology
- Installation of 650 stabilisation mattresses
- Freespan rectification
- Pipeline pre-commissioning
- Installation of pipeline end manifold (PLEM) structures
- Associated tie-ins
- Field commissioning and start-up support works

Engineering for this project was timely completed in Subsea 7's Singapore office, with offshore operations commencing shortly after award.

The *Seven Navica* arrived in Singapore in late November 2009 before commencing its journey to the Crib Point spoolbase in South Eastern Australia. This is a temporary spoolbase which was set up specifically for this project. The *Seven Navica* installed the 21.7km of 12" rigid pipe, complete with two in-line tee skids, over two trips.

The *Rockwater 2* supported the *Seven Navica*, installing the four sections of umbilical, three PLEMs, associated subsea infrastructure and 650 stabilisation mattresses to complete the tie-ins and freespan rectification.

The umbilicals range from 3.3km to 6.5km in length and were installed utilising an in-line tensioner and reel drive system. The vessel also installed the rigid spools and performed the associated metrology. After completing this project, the *Rockwater 2* remained in field for a short time to assist Santos with field commissioning and start-up activities.



Seven Navica pipelay vessel



Rockwater 2 dive support vessel



Spooling onto Seven Navica at Crib Point