

WESTERN AUSTRALIAN PETROLEUM PTY LTD YAMMADERY AND COWLE JOINT DEVELOPMENT PROJECT

Installation, Hookup and Commissioning, Carnarvon Basin

ICON Yammaderry and Cowle oil fields are located in block TP3 in the Carnarvon Basin offshore Western Australia. The combined field development consists of 2 monopod platforms and two pipelines exporting product to existing facilities on Thevenard Island.

ICON Director Garrick Aberle was WAPET's Project Manager for this project. The installation, hookup and commissioning work was undertaken by WAPET in-house using a team lead by current ICON directors

General

The 2 x 90 tonne substructures and 2 x 35 tonne topsides were fabricated in the Perth metropolitan area. The substructures were transported from Perth to Geraldton by road and to site on the back deck of supply vessels. The structures were installed using the "Maersk Valiant" Jackup Rig.



Dawn before topsides lift-off. Mooring and lift takes less than 4 hours



Yammaderry Topsides Installation



Substructure Upending

The substructure was lifted from the transportation supply vessel horizontally and upended using the rig's draw works. The structures were installed into foundation holes drilled using reverse circulation techniques. They were then grouted into place.

Topsides Installation by Jackup Rig Hookup and Commissioning

It is essential to carefully determine the geometry and tolerances for positioning the rig, as there are tight clearances between the rig, the structure and the edge of the topsides on the transport vessel.



Completed Monopod