

TALISMAN MALAYSIA Limited BUNGA KEKWA C ANNEXE PLATFORM Conceptual Design and Installation

Unique monopod design braced to existing structure

Talisman Malaysia Limited (TML) required additional wells on the BKC platform. ICON Engineering undertook a conceptual review and recommended an annexe monopod platform braced back to the existing BKC wellhead platform as the most cost effective solution. It was also able to be constructed from existing project steel stocks.

The design concept was able to be installed by drilling rig or derrick barge. Although the initial plan was to use a rig, the platform was finally installed by ICON using the crane barge Seminole due to delayed arrival of the rig. ICON worked through the Christmas – New Year period to re-engineer the installation procedures to suit the derrick barge. Offshore work was undertaken in the monsoon season of January 2007.



Brace being installed on existing BKC Platform



Lifting Monopod into clamp on the end of the brace

Work Scope

ICON's work scope included the following:

- Conceptual design
- Detailed installation engineering
- Engineering support during fabrication
- Management of offshore construction
- Procurement and logistics support for installation
- Provision of engineering, supervision and leading hands offshore

Detailed design of the platform was undertaken by TML's engineering contractor in Malaysia with review and assistance from ICON.



Pile/Conductor installation



Topsides Installation



Completed Structure

Annexe Platform Data

Location	Gulf of Thailand, Malaysia
Water depth	55 m
Lateral Brace	16 t, tied to existing BKC.
Monopod weight	353 t
Topsides weight	150 t
Conductor pile size	0.914m diameter, 138m long