

TALISMAN MALAYSIA LIMITED BUNGA KEKWA C ANNEXE PLATFORM

Conceptual design and Installation Engineering, Sarawak

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.

- 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.



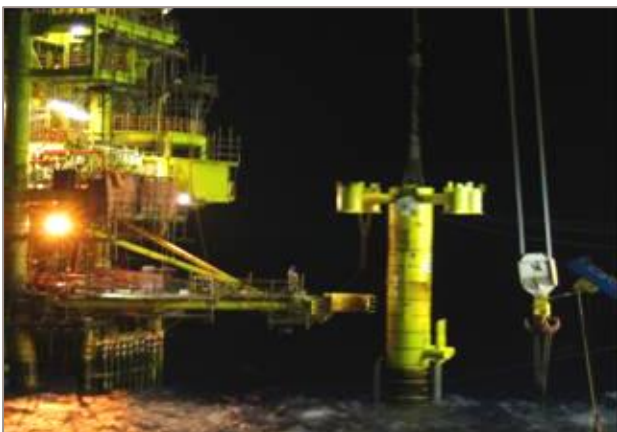
Brace being installed on existing BKC Platform



Brace being installed on existing BKC Platform



Topsides Installation



Lifting Monopod into clamp on the end of the brace



Complete Structure

Work Scope

ICON's work scope included the following:

- Conceptual design
- Detailed installation engineering
- Engineering support during fabrication
- Management of offshore construction

Annexe Platform Data

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