

The **MODEC TLP** is the ideal solution for deepwater oil and gas developments.



The MODEC Self Stable Integrated Platform (SSIP) TLP is the ideal solution for deepwater oil and gas developments. This low-cost, highly-efficient platform easily accommodates both surface and subsea wells in all environments.

The hull design consists of stiffened flat planes and simple connections resulting in improved constructability. In addition, the fifth generation SSIP design provides for quayside integration of topsides and commissioning which provides opportunities for a shorter offshore schedule.

Clients can benefit from considerable savings in offshore installation costs and schedule, due to elimination of supplemental stability modules and crane support, and because a wider range of installation vessels are available to use.

The MODEC SSIP TLP received a Spotlight on New Technology award at OTC.07. MODEC delivered two of these SSIP TLPs in early 2006 offshore Equatorial Guinea. The Oveng TLP is the first TLP offshore West Africa to use tender-assisted drilling.

WHY MODEC?

- **HSEQ FOCUS:** MODEC is the first floating production facilities company to have its Corporate HSE Management System obtain integrated certification against all three international codes: ISM Code, ISO 14001:2004, and OHSAS 18001:1999. Certification was received for corporate office environments in Tokyo, Houston and Macaé and also for the *FPSO Cidade do Rio de Janeiro MV14*, a working vessel. All future facilities will comply with these international HSE standards.
- **FLEXIBILITY:** MODEC's extremely efficient designs allow flexibility in scaling of payload, as well as flexibility in design, construction, commissioning and installation schedules.
- **PROVEN TECHNOLOGY:** MODEC was named a winner of the OTC.07 Spotlight on New Technology competition for its MOSES Self Stabilizing Integrated Platform TLP. The first applications of the MOSES SSIP TLP technology were the Oveng TLP and the Okume/ Ebano TLP - both installed offshore EquatorialGuinea.
- **PROVEN EXPERIENCE:** MODEC has successfully delivered four TLPs to date and will install a fifth TLP in the summer of 2008.
- **PEOPLE AND CONTINUITY OF EXPERTISE:** MODEC has available resources with experience and expertise developed over five TLP projects.
- **RELATIONSHIPS:** MODEC has established long-term international relationships with clients, engineering companies and fabricators.



Marco Polo TLP

MODEC was responsible for the engineering, procurement, construction of the hull, mooring system and production riser system.

General Description

Client: Enterprise Products Partners/
Helix Energy Solutions
Operator: Anadarko Petroleum
Contract Award: April 2002
Installation Date: January 2004
Location: Marco Polo Field, Gulf of Mexico

Project Specifications

Water Depth: 1,311 meters
Hull Displacement: 27,418 short tons
Topside Payload: 11,703 short tons
(excluding deck structure)
Topside Payload: 14,300 short tons
(including deck structure)
Hull Parameters Draft: 39.6 meters
Base Diameter: 23.2 meters
Column Size: 9.2 meters x 6.6 meters
Tendon Span: 104.9 meters
Tendon Size: 28 inches x 1.2 inches
Oil Production Capacity: 120,000 bopd
Gas Production Capacity: 400 mmscfd

Comments

The Marco Polo TLP was the world’s deepest TLP, at the time of its installation, at 1,311 meters water depth.

The Marco Polo TLP serves as a production hub platform at Green Canyon 608 in the Gulf of Mexico and is operated by Anadarko Petroleum. OTC.07 awarded Anadarko, Enterprise Products Partners and Helix Energy Solutions the Distinguished Achievement Award for Organizations for their joint development of the Marco Polo Project.

Okume/Ebano TLP and Oveng TLP

MODEC was responsible for the simultaneous design, construction and commissioning of two TLPs under a very aggressive 16 month schedule.

General Description

Client: Hess Corporation
Contract Award: October 2004
Installation Date: April 2006
Location: Northern Block G,
Equatorial Guinea

Project Specifications

Water Depth: Okume/Ebano: 500 meters
Oveng: 280 meters
Hull Displacement: 12,157 short tons
Topside Payload: 5,072 short tons
(excluding deck structure)
Topside Payload: 6,382 short tons
(including deck structure)
Hull Parameters Draft: 17.8 meters
Base Diameter: 24.4 meters
Column Size: 7.3 meters x 7.6 meters
Tendon Span: 77.4 meters
Tendon Size: 24-in. x 0.812-in
Oil Production Capacity: 25,000 bopd
Gas Production Capacity: 30 mmscfd

Comments

The Oveng TLP and the Okume/Ebano TLP were the first applications of the MOSES SSIP award-winning technology and were installed offshore Equatorial Guinea in April 2006. In addition, the Oveng TLP is the first TLP off the West African coast to use tender-assisted drilling.

Profit from our experience