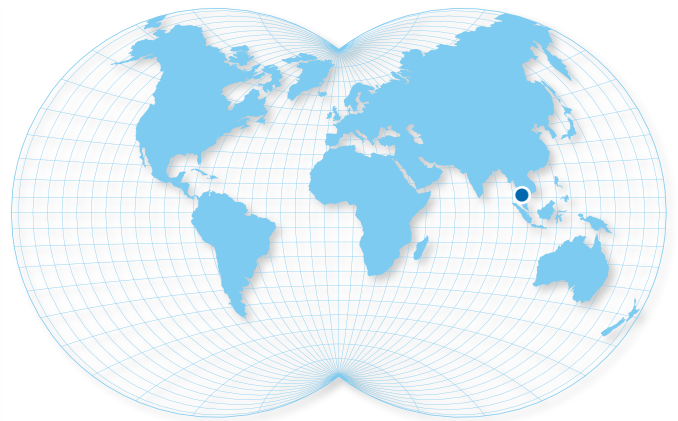


JASMINE FIELD, THAILAND:

FPSO Jasmine Venture MV7 External Turret



Scope of Work

This SOFEC external turret mooring system was designed, constructed and supplied for the MODEC-owned "Buffalo Venture" FPSO from December 1999 to December 2004 when operations of the FPSO expired. MODEC modified and re-deployed its unit to Singapore for PEARL Energy Group's Jasmine field offshore Thailand. Jasmine field is located approximately 300km south of Bangkok in a water depth of 60m. Crude oil produced from the reservoir is transported from a fixed platform via 1.5km pipeline.

General Description

| | |
|--------------------|--|
| Client Name: | Pearl Energy Pte Ltd. |
| Contract Award: | December 2004 |
| Installation Date: | May 2005 |
| First Oil: | June 2005 |
| Vessel Size: | 99,776 dwt |
| Storage Capacity: | 800,000 bbls |
| Water Depth: | 60m (196ft) |
| Modification: | Turret - Singapore Vessel - Singapore Topsides - Singapore |

Design Environmental Criteria [50-year storm]

| | |
|--------------------------|----------------------|
| Significant Wave Height: | 6.3m (20.7ft) |
| Wind Velocity: | 31.8m/s (61.8 knots) |
| Current: | 1.1m/s (2.1 knots) |

Mooring System

- 6-leg Symmetric catenary;
- 102mm R3S chain
- 128mm 6-strand wire
- 18mt & 21mt drag anchors

Turret

External Cantilevered Bow

Fluid Swivel Assembly

| | |
|-----------------------|---|
| Product Fluid Swivel: | Single path toroid with dual 8-in. outlets |
| Gas Lift Swivel: | 1 x 6-in. toroid (2,220 psi design) |



FPSO Jasmine Venture MV7

(Continued)

Fluid Swivel Assembly

Hydraulic Swivel: 15 paths

Electrical Swivel: 16 paths

Optical Swivel: 10 paths

Riser System

1 x 8-in. Flexible riser (production)

Comments

This SOFEC external turret mooring system is ABS classed.