Design Profile

IE-TSV - FSU

Client: Irvine Engineering
Project: Various Proposals
Scope: Conceptual Design
Date: 2008
Manhours: 1,400
Location: North Sea

Project Description
The vessel is a ship shaped FSU designed to meet the needs of large deepwater fields. Station keeping through a freely weather vaning bow turret mooring system with heading control thrusters.

Irvine Scope
Develop a Floating Storage Solution to meet a high standard of classification with minimal cost. Originally proposed for the Captain field development.

Principal Particulars
Design Status: Advanced concept
Application: Moderate to severe environments
Length: 229.6 m
Breadth: 40.0 m
Depth: 22.0 m
Storage: 103000 m$^3$ and 3000m$^3$ chemicals
Construction: Double hull steel structure. Flat plate with some single
Topsides: N/A
Alternative Use: FPSO
Docs. Available: Concept design report
General arrangement drawings and detailed layouts
Structural design
Turret design
Marine systems schematics
Analysis reports
Technical specification