Design Profile

IE-BOX 25 B FPSO

Client: Irvine Engineering
Project: Various Proposals
Scope: Advanced Concept
Date: 2008
Manhours: 1,100
Location: Caspian Sea

Project Description
The unit is a cost efficient square barge shaped FPSO designed to meet the needs of small fields or gas fields with moderate condensate production. Capable of handling typically eight risers. A simple spread mooring system for station keeping.

Irvine Scope
Develop a minimal cost FPSO with out the need for a turret/swivel which is it’s main design benefit. The design was originally proposed for the Caspian Sea region.

Principal Particulars
Design Status : Advanced Concept
Application : Benign to moderate environments
Length : 46.0 m
Breadth : 46.0 m
Depth : 22.5 m
Storage : 25000 m³
Construction : Stiffened steel flat plate sections. Double side shell structure
Topsides : ‘Plug and Play Process’ or field specific concept. Maximum topsides weight approximately 6000 te
Alternative Use: A not normally manned offshore surface facility or FSU
Docs. Available: Concept development report

General arrangement drawings
Tank plans
Marine systems schematics
Structural arrangements
Systems schematic
Outline technical specification