



BENCHAMAS EX

BENCHAMAS EXPLORER

The conversion of the 186,500 MT Daimon Jade was committed on December 1997 on a turnkey basis for Chevron's Benchamas Field in the Gulf of Thailand. The vessel has now been renamed Benchamas Explorer for its service. The contract covers the design, procurement, conversion, installation and operation of the F.S.O.

Benchamas Explorer is designed for a 15-year service life without the requirement for dry-docking. She was turret-moored, connected and tested ahead of schedule for the date of readiness of 15 May 1999. Installation was performed in two phases: Phase I - Installation of the piles and mooring legs in January 1999 Phase II - Installation of the F.S.O. and the risers in early May 1999.



Location	: Benchamas Field, Gulf of Thailand
Water Depth	: 80 m
Weather Environment	: Infrequent typhoons
Field Operator	: Chevron Offshore (Thailand) Limited
Year Built	: 1976
Classification	: ABS
Registration	: Panama
In Service	: 1999 - 2009
Deadweight	: 186,092 MT

Tanker Pacific Offshore Terminals Pte Ltd,
1 Temasek Avenue, Millenia Tower #38-01, Singapore 039192
Phone: (65) 6433 5888, Fax: (65) 6337 5569
Email: tpms.tpot@tanker.com.sg Website: www.tpot.com.sg

Main Dimensions

LOA	: 351 m
Length BP	: 302 m
Moulded Breadth	: 44 m
Moulded Depth	: 25 m

Basic Design

The thorough conversion was carried out between November 1998 and March 1999, and included the installation of:

- ▲ Turret mooring system for nine mooring chains and three risers
- ▲ Second boiler in the engine room and the removal of the main engine
- ▲ Dual fuel gas and diesel oil burning system for both boilers
- ▲ Cargo heating system
- ▲ Helideck
- ▲ Electro-hydraulic crane
- ▲ New totally enclosed lifeboats
- ▲ Additional fire & gas detection and extinguishing systems
- ▲ Emergency generator
- ▲ Improvements to accommodation etc



Tank Capacities

Crude Storage	: 1,388,967 bbls
Slop Tank	: 31,578 bbls
Ballast Tank	: 179,290 bbls

Main Components

Mooring System	: External turret system
Fuel Gas Burning	: Yes
Export System	: Tandem
Riser System	: Two 8" continuous crude risers and one 6" fuel gas riser

Metering System

Crude Storage	: 1,388,967 bbls
Slop Tank	: 31,578 bbls
Ballast Tank	: 179,290 bbls



Other facilities

Cranes	: Offshore crane (Electro-hydraulic driven): -Max. outreach 25 m -Max. S.W.L. of 15 tons -Personnel transfer Electric driven provision crane with S.W.L. of 2 tons
Accommodation	: 50 persons
Helideck	: Suitable for Super Puma helicopter

Product loading/export

Import swivel	: – Two 50,000 bopd crude paths – One 6" fuel gas pathl
Export a frame	: – Aft to a 16" export line for tandem off takes – 24,000 bbls/hr

