

FPSO MONTARA VENTURE



Location	: Montara Field, Australia
Water Depth	: 80 m
Weather Environment	: Tropical Cyclone
Field Operator	: PTTEP
Year Built	: 1990
Classification	: ABS
Flag	: Liberia
In Service Since	: Completed 2009
Deadweight	: 146,251 MT

Tanker Pacific Offshore Terminals Pte Ltd

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Main Dimensions

LOA	: 274 m
Length BP	: 265 m
Moulded Breadth	: 43 m
Moulded Depth	: 23 m



Basic Design

The work entailed installation and modification to provide the following:

- ▲ 20-year design life
- ▲ 3 stage separation
- ▲ Produced water treatment - Degasser and Hydrocyclone
- ▲ Gas Compression - 60 MMscfd for gas re-injection/gas lift
- ▲ Recycle gas compressor for LP gas, capacity 5 Mmscfd
- ▲ Fuel Gas treatment, capacity 11 Mmscfd
- ▲ Glycol Regeneration system to treat 60 MMscfd of gas
- ▲ 2 x 5.5 MW Gas Turbines
- ▲ HP/LP Flare Stack
- ▲ E-house

Tank Capacities

Crude Storage @ 98%	
Single Hull	: 1,023,131 bbls
Double Side	: 771,965 bbls
Slop Tank	: 16,184 bbls
Ballast Tank	: 327,769 bbls



Main Components

Mooring System	: Internal Turret
Export System	: Tandem
Fuel Gas Burning	: Yes

Other facilities

Cranes	: Offshore cranes, 28 tons @ 25m and 8 tons @ 21m, both personnel transfer
Accommodation	: 60
Helideck	: Yes

Product loading/export

Maximum Fluids	: 80,000 bbls/day
Maximum Oil	: 40,000 bbls/day
Maximum Water	: 60,000 bbls/day
Maximum Gas	: 60 Mmscfd
Design Export Max. Rate	: 30,000 bbls/hour

