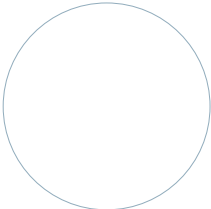
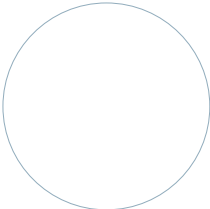


bluewater

# Glas Dorr FPSO





# Glas Dowl FPSO

Glas Dowl has been operating successfully on The Sable field, located in the Bredasdorp basin off South Africa about 150 km Southwest of Mossel Bay.

Field Operators are PetroSA (Pty) Ltd. and Dallas-based partner company Pioneer Natural Resources South Africa (Pty) Limited. Prior to commissioning on Sable Field, the Glas Dowl production and processing facilities were upgraded and modified in a Cape Town construction yard.

The Glas Dowl first commenced operation in August 1997 in the Durward & Dauntless Field for Amerada Hess in the North Sea.

## The Glas Dowl main features are:

- Providing a safe and stable platform for floating production facilities
- Production of well fluids through operation and control of the subsea system
- Minimising the environmental impact resulting from the production of well fluids
- Processing incoming well fluids and separating these into oil, water and gas
- Storing crude at the required temperature and Reid Vapour Pressure
- Treating seawater for injection into the reservoir.
- Injecting chemicals for process enhancement and protection of subsea and process equipment (Flow Assurance)
- Treating and compressing produced gas for export, gas lift and fuel
- Offloading crude to tandem moored shuttle tankers
- Exporting gas through a subsea pipeline system
- Providing accommodation for operations and maintenance personnel which also serves as a safe area with life-saving and evacuation equipment
- Providing a safe landing area for helicopter operations

## Vessel data

Length	241.77 meters
Breadth moulded	42 meters
Depth moulded	21.20 meters
Dead weight tonnage	94,800 dwt
Deck area	7,985 m <sup>2</sup>
Accommodation	96 persons

### Processing capacities

Fluid Capacity	75,000 bpd
Crude production	60,000 bopd
Produced water (max)	65,000 bwpd
Oil content water discharged	< 20 ppm average

### Gas Compression (Inj./Export / Liftgas)

Design pressure	3,890 psia
Operating temperature	50°C
Capacities	88 MMscfd

### Stabilised crude

RVP	10-12 psia
H <sub>2</sub> S	0 ppm
BS&W	< 0.5%

### Power

Main generators	4x gas turbine, 1x diesel
Capacity	4x 4.7 MW + 1x 6.3 MW
Harbour generators	3x 0.6 MW diesel
Emergency generator	1x 0.5 MW diesel

## Performance data

### Storage capacities

Exportable crude	105,100 m <sup>3</sup> (661,250 bbls)
Slop tanks	7,350 m <sup>3</sup> (47,350 bbls)
Fuel oil	6,500 m <sup>3</sup> (40,950 bbls)

### Water injection

Capacity (max)	85,000 bwpd
Design pressure	4,000 psia
Oxygen content (max)	10 ppb

Offloading	
Parcel size	500,000 bbls
Offloading (max)	33,000 bbls/hr

Angola

Brazil

China

Malaysia

Nigeria

Russia

The Netherlands

United Kingdom

United States