Glas Dowr 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 Dowr production and processing facilities were upgraded and modified in a Cape Town construction yard.


The Glas Dowr 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 m²
- **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

Stabilised crude

- **RVP**: 10-12 psia
- **H₂S**: 0 ppm
- **BS&W**: < 0.5%

Water injection

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

Gas Compression (Inj./Export / Liftgas)

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

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

Offloading

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