HÆWENE BRIM FPSO

Data Sheet

bluewater

Power by People

HÆWENE BRIM FPSO

The HÆWENE BRIM's main functions are:

- Receipt of fluids from subsea wells;
- Control of the subsea wells;
- Processing of the incoming fluids for separation into crude, water and gas;
- Storage of the stabilised crude oil and maintaining it at the required temperature;
- Treatment of effluent for discharge of water to the sea;
- Chemical injection;
- Produced gas is re- injected and is utilized as fuel;
- Offloading of crude into "tandem moored" shuttle tankers;
- Power generation for process, gas compression, offloading and utilities
- Provide accommodation for operating and maintenance personnel
- Provide helideck for helicopter operations

All systems are designed for a minimum annual average production up- time of 95%.

VESSEL DATA	
Length	252 m
Breadth moulded	42 m
Depth moulded	23.2 m
Dead weight tonnage	103,000dwt
Deck area	7,280 m2
Accommodation	55 persons (expandable to 75)

PERFORMANCE DATA	

Storage capacities	
Exportable crude	94,750 m^3 (595,000 bbls)
Slop tanks	3,315 m^3 (20,851 bbls)
Diesel Oil	3000 m^3 (20,100 bbls)

Processing Capacities	
Fluid capacity	100,000 bpd
Crude	70,000 bpd
Produced water (max)	40,000 bwpd
Oil content water discharged	< 30 ppm
Gas (max)	110 MMscfd at 3,900 psia

Stabilised crude	
RVP	10-12 psia
H2S	0 ppm
BS&W	< 0.5 %

Water injection	
Capacity (max)	90,000 bwpd at 337 bar
Design pressure	424 barg
Oxygen content	10 ppb

Power	
Main generators	4 x gas/ diesel
Capacity	4 x 5.2 MW
Emergency generator	1 x 0.46 MW Diesel

Offloading	
Parcel size	600,000 bbls