

Borgny Dolphin

GENERAL

Name: Borgny Dolphin

Flag: Singapore

Owner: Fred. Olsen Energy ASA

Manager: Dolphin Drilling Ltd.

Year Built: 1977

Builder: Rauma Repola, Finland; Upgraded 1985, 1990, 1992, 1993, 1997

Design: Enhanced Aker H3, Self Propelled Semi-Submersible

Classification: DNV + 1A1, Column Stabilised Drilling Unit, Self-Propelled Unit, Drill, UKVS

MAIN DIMENSIONS

Length: 355 ft (108,2 m)

Breadth: 221 ft (67,4 m)

Depth: 120 ft (36,6 m) from Main Deck

OPERATING PARAMETERS

Water Depth: 1750 ft (533,4 m)

Maximum Drilling Depth: 25,000 ft (7600 m)

Transit Speed: Approx. 4,5 knots

CAPACITIES

Variable Deck Load: 3150 mt

Liquid Mud: 1609 bbls

Bulk Mud/Cement: 496 m3

DRILLING EQUIPMENT

Derrick: Continental Emsco 170 x 40 x 40 ft; 1,250,000 lbs

Drawworks: Continental Emsco C-3 type II

Rotary: Continental Emsco T-4950, 49 ½" opening

Topdrive: Varco BJ TDS-4 rated at 750

Riser Tensioners: 8 x Rucker 80,000 lbs, 50 ft travel

Motion Compensators: Crown Mounted Compensator – Shaffer CMC-25-600DA, Max compensating capacity 600,000 lbs, stroke 25 ft, Max static load 1,250,000 lbs

Mud Pumps: 3 x NOV 14-P-220

MACHINERY

Main Power: 4 x Wartsila 12-V-200; 4 x 2860 KVA generators

Emergency Power: 1 x MTU diesel driving a 844 KVA generator

Propulsion: In-line propulsion, 2 x 1700 bhp



SUBSEA SYSTEMS

BOP: 1 x Cameron 18 ¾" 10k H2S trim

Control System: Cameron Payne Hydraulic system

Diverter: Regan KFDS - 3

Choke and Kill: Cameron 3" 10k

MOORING

Winches: 4 x Brattvaag single hydraulic windlass units + 4 x Norwinch 2A2-76 double hydraulic windlass units

Wire/Chain: 12 x 4500 ft (1370 m) x 3" diameter stud link chain

Anchors: 6 x 10 mt Delta Flipper HHP anchors + 6 x 10 mt Vryhof Stevpris anchors

CRANAGE

2 x Aker electro-hydraulic constant tension Deck cranes with 140 ft boom, 50 mt maximum capacity

ACCOMMODATION

104 berths