

Borgland Dolphin

GENERAL

Name: Borgland Dolphin

Flag: Singapore

Owner: Fred Olsen Drilling A/S

Manager: Dolphin A/S

Year Built: 1977 Builder Harland & Wolff (Conversion), Belfast, Ireland; Major upgrade 1998/1999

Design: Enhanced Aker H-3

Classification: Acknowledgement of Compliance, DnV + 1A1, Column stabilised drilling unit, CRANE, HELDK-SH, DRILL N

MAIN DIMENSIONS

Length: 355ft (108.2m)

Breadth: 221ft (67.36m)

Height: (36,58 m)

OPERATING PARAMETERS

Water Depth: 1476 ft (450m)

Maximum Drilling Depth: 20000 ft (8500 meter)

Transit Speed: 5 Knot

Survival Conditions: 60ft draft (18.29m)

Drilling Conditions: 1476ft - 230ft (450m - 70m)

CAPACITIES

Variable Deck Load: 3200 mt

Liquid Mud: 475+649 m3

Bulk Mud/Cement: 534 m3

DRILLING EQUIPMENT

Derrick: Maritime Hydraulics Ram Rig, 581 tons (590mt)

Drawworks: Ram Rig Hydraulic cylinders

Rotary: Whirt RTSS 49 ½" H

Topdrive: DDM (Derrick mounted drilling machine) Maritime Hydraulics

Riser Tensioners: 8 x Maritime Hydraulics dual tension, max tension 100.000 lbs, 15,2 m travel

Motion Compensators: Maritime Hydraulics Ram Rig Concept

Mud Pumps: 3 x National 12-P-160

MACHINERY

Main Power: Caterpillar

Power Distribution: 4 x 3600kW

Emergency Power: 1 x 1800kW

Propulsion: 2 x Nebb 1250kW



SUBSEA SYSTEMS

BOP Shaffer: 18¾ 15k

Control System: Hydril

Diverter: Hydril type FS21-500

Choke and Kill: 15k

MOORING

Winches: 4 x Norwinch double winches 7350 Kn break load

Wire/Chain: 8 x 5741 ft, 76 med mer special chain, 7350 Kn

Anchors: 8 x 15 Ton, Stevpris MK5

CRANAGE

1 x 39.4 ton (40mt); 1 x 73.8 ton (75mt)

ACCOMMODATION

100 berths