

# Blackford Dolphin

## GENERAL

**Name:** Blackford Dolphin

**Flag:** Singapore

**Owner:** Fred. Olsen Energy ASA

**Manager:** Dolphin Drilling Ltd.

**Year Built:** 1974. Major Deepwater Upgrade 2006/2007

**Builder:** Aker Nylands Verksted AS, Oslo, Norway (1974), Keppel Verolme (2006/2007)

**Design:** Aker H3

**Classification:** DNV + 1A1, R, Column Stabilised Drilling Unit, HELDK-SH, CRANE and Drill

## MAIN DIMENSIONS

**Length:** 108,3 m (355,3 ft)

**Breadth:** 84.1 m (276 ft)

**Height:** 36,57 m (120 ft), Main Deck elevation above baseline

## OPERATING PARAMETERS

**Water Depth:** 7000 ft Maximum (Outfitted for 6000 ft)

**Maximum Drilling Depth:** 30000 ft (9144 m)

**Transit Speed:** 4,5 knots (towed)

**Survival Conditions:** Hs 16,8 m (Hmax 32 m), Max wind 100 knots, Current velocity 2,0 knots

**Drilling Conditions:** Hs 8,4 m, Max wind 100 knots

## CAPACITIES

**Variable Deck Load:** 4500 mt (9,920,802 lbs)

**Liquid Mud:** 5000 bbls (596 m<sup>3</sup>)

**Bulk Mud/Cement:** 8 x 2170 ft<sup>3</sup>

## DRILLING EQUIPMENT

**Derrick:** 1500 kips (750 st) Static Hookload Capacity, 40 ft x 35 ft x 160 ft

**Drawworks:** NOV SSGD – 4600 with 4 AC Motors

**Rotary:** NOV D-605, 60 ½" opening

**Topdrive:** NOV (Hydralift) HPS 750-E-AC-KT with 750 st Load Capacity

**Riser Tensioners:** 6 x NOV DWRT-200-50 Dual Wireline Tensioners, Max capacity 2,400,000 lbs

**Motion Compensators:** Crown Mounted Compensator, 1500 kips static / 800 kips (363 mt) compensating load

**Mud Pumps:** 3 x NOV 14-P220 with 2200 hp each

## MACHINERY

**Main Power:** 4 x Caterpillar Model 3612, 3800 KW, 5096 Hp Max continuous power

**Emergency Power:** 1 x Caterpillar 1800 KW

**Propulsion:** In-line propulsion system (Propulsion assist mode only)



## SUBSEA SYSTEMS

**BOP:** 18 ¾" Hydril 15k (2 + 3 Cavity)

**Control System:** ABB / Vetco Multiplex system

**Diverter:** Hydril FS 1500 psi

**Choke and Kill:** 3 1/16" RB Pipetech 15k H2S (including Mud Gas Separator)

## MOORING

**Winches:** 8 x NOV BLM W325 AC Single Wildcat, Electric, 293 mt rated pull

**Wire/Chain:** Wire / Chain combination

**Anchors:** 8 off

## CRANAGE

**2 x 85 mt @ 16,7 m Knuckle Boom Cranes**

## ACCOMMODATION

**130 (120 in 2-man cabins)**