

# Bideford Dolphin

## GENERAL

**Name:** Bideford Dolphin

**Flag:** Singapore

**Owner:** Fred. Olsen Energy ASA

**Manager:** Dolphin A/S

**Year Built:** 1975

**Builder:** Aker Verdal/BMV A/S, Oslo, Norway/A Verkstad, Norway.

Major upgrade 1997/1999

**Design:** Enhanced Aker H-3 design

**Classification:** DnV + 1A1, Column stabilised drilling unit, CRANE, HELDK, DRILL (N)

## MAIN DIMENSIONS

**Length:** 355ft (108.2m overall)

**Breadth:** 221ft (67.36m) overall

**Depth:** 70 ft (21.3m) from main deck

## OPERATING PARAMETERS

**Water Depth:** 1 500 ft (450m)

**Maximum Drilling Depth:** 20 000 ft

**Transit Speed:** 4 knots

**Survival Conditions:** 60ft draft (18.29m)

**Drilling Conditions:** 1 476ft - 230ft (450m - 70m)

## CAPACITIES

**Variable Deck Load:** 3448 tons (7,723,520 lb)

**Liquid Mud:** 6600 bbls-(1050m<sup>3</sup>) (6 mud tanks,+ 2 pontoon tanks)

**Bulk Mud/Cement:** 22093/0 ft<sup>3</sup> 950mt (combined)

## DRILLING EQUIPMENT

**Derrick:** Maritime Hydraulics Ram Rig 394 tons (400mt)

**Drawworks:** Ram Rig hydraulic cylinders

**Rotary:** Varco 4950, hydraulic drive

**Top Drive:** 1 hydraulic drive Maritime Hydraulics

**Riser Tensioners:** 8 x Rucker 100000 lb

**Motion Compensators:** Maritime Hydraulics Ram Rig concept

**Mud Pumps:** 3 x Continental Emsco FB-1600

## MACHINERY

**Main Power:** 4 x Bergen Diesel KVGB-12

**Emergency Power:** 1 x 1.2MW

**Propulsion:** 2 x azimuth thrusters



## SUBSEA SYSTEMS

**BOP:** 1 x Cameron 18¾in assembly 10k

**Control System:** Hydril control system + Retrievable Acoustic package.

**Diverter:** Regan

**Choke and Kill:** 10k

## MOORING

**Winches:** 4 x Norwinch double wildcat windlasses

**Wire/Chain:** 8 x 4500ft x 3in diameter K4 stud link chain

**Anchors:** 8 x 14 tons Steveprice MK6 anchors

## CRANAGE

1 x Aker crane; 1 x Molde crane

## ACCOMMODATION

100 berths