HARSH-ENVIRONMENT ULTRA-DEEPWATER DUAL-ACTIVITY SEMI-SUBMERSIBLE

General Description

Design / Generation
Aker H-6e Semi-submersible

Constructing Shipyard
Aker Verdland

Year Entered Service / Significant Upgrades
2009

Classification
DNV 1A1 Column Stabilized Drilling Unit (N)

Flag
Marshall Islands

Dimensions
295 ft. long x 230 ft. wide (main deck)

Drafts
75 ft. operating / 31 ft. transit

Accommodation
140 persons (upgradable to 160 persons)

Displacement
64,500 mt operating / 44,500 mt transit

Variable Deck
6,300 mt operating / 6,200 mt transit

Transit Speed
120 knots continuous

Maximum Drilling Depth
10,000 ft designed / 6,500 ft outfitted

Power & Machinery

Main Power
8 x Rolls Royce (Bergen Diesel) engines rated 7,066 hp, 720 rpm, each driving 1 x Alconza/NIR 10092A-1QVL 6,235 kVA AC generator

Emergency Power
2 x dedicated above main engines in 2 x different engine rooms are classified as emergency engines/generators.

Power Distribution
Kongsberg Maritime Integrated Control System (ICS), Power Management System, 4 x split system, HV Distribution 11,000 V, 609 V Drilling, 690 V HPU and 690 V VSD switchboard

Storage Capacities

Fuel Oil
25,760 bbl

Liquid Mud
5,675 bbl

Base Oil
8,740 bbl

Brine
7,500 bbl

Drill Water
18,895 bbl

Potable Water
6,092 bbl

Bulk Material
(mud + cement) 27,564 cu.ft

Sack Storage
5,000 sacks

BOP & Subsea Equipment

BOP Rams
Cameron TL 18-3/4 inch 15,000 psi ram preventers (2 x doubles + 1 x super shear); Cameron C-PRO HDH4 15K hydraulic wellhead connector

BOP Annulars
2 x 10K Annulars Cameron DL 18-3/4 inch

BOP Handling
Overhead BOP cranes 2 x 75 mt with trolley; Overhead Xmas Tree cranes 2 x 50 mt with trolley; Independent BOP and Xmas Tree handling

Marine Riser
Aker Drilling Clip Riser 21 inch, 75 ft long, 0.875 inch wall thickness.

Tensioners
6 x Aker MH Direct Acting Inline Tensioners, 242 mt each, 50 ft max stroke.

Diverter
Vetco Gray 60-1/2 inch 500 WP psi diverter with 14 inch flow line

Tree Handling
N/A

Moonpool
10.3 m x 23 m. Outfitted with skid rails.

Station Keeping / Propulsion System

Thrusters
8 x Rolls Royce Aquamarster 6,000 hp variable speed, fixed pitch, fully azimuthing thrusters.

DP System
Kongsberg DP Class 3

Mooring System
8 x Aker Pusness electrical winches, 290 mt rated pull.

Cranes

Cranes
2 x pedestal cranes x Kentz Figege electro-hydraulic cranes, 51 m boom length, 65 mt at 20 m radius.

Other Information

Helideck
Rated for Sikorsky S-61N, S92, EH 101 and Super Puma

Other
Dual Activity. Capable of self-moored in up to 500 m water depths.

These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

Patent Notice: This rig, its systems, components, and/or equipment in use on this rig, may be protected by one or more US and/or foreign patents.

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Revision Date: 28 March 2019
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