General Description

Design / Generation Transocean Offshore Enhanced Enterprise Class
Constraining Shipyard Daewoo Shipbuilding and Marine Engineering Korea
Year Entered Service / Significant Upgrades 2009
Classification DNV +1A1
Flag Marshall Islands
Dimensions 835 ft. long x 125 ft. wide x 62 ft. deep
Draughts 42.6 ft. operating / 39 ft. transit
Accommodation 200 persons
Displacement 98,421 st operating
Variable Deck 22,046 st operating / 22,046 st transit
Transit Speed up to 12 knots
Maximum Water Depth 12,000 ft. designed / 10,000 ft. outfitted
Maximum Drilling Depth 40,000 ft

Drilling Equipment

Derrick NOV Dual Activity derrick, 228 ft. high, with 80 ft. x 80 ft. base.

Hookload Capacity (Main) 2,500,000 lbs. gross nominal capacity
(Aux) 2,500,000 lbs. gross nominal capacity

Drawworks
(Main) NOV Active Heave Drawworks with 6 x General Electric GEB-222A motors rated at 6,900 total hp, 1,050 st rated hook load with 2 inch drill line
(Aux) NOV Active Heave Drawworks with 6 x General Electric GEB-222A motors rated at 6,900 total hp, 1,050 st rated hook load with 2 inch drill line

Compensator (Main) NOV/RST 75.5 inch opening rated to 1,375 st. also with a maximum generated torque rating of 45,000 ft/lbs.
(Aux) NOV/RST 605 with a 60.5 inch opening and a rated capacity of 1,000 st, also with a maximum generated torque rating of 45,000 ft/lbs.

Top Drive (Main) Maritime Hydraulics/MDDM-1250-AC with a rated capacity of 1,250 st. driven by 2 x electric ABB AMH623 LM6 AC motors with a maximum continuous torque rating of 101,200 continuous torque rating.
(Aux) Same as main

Tubular Handling 2 x NOV PRS-5 pipe racking system, 2 x NOV Riser & Casing PRS Tailing head, 1 x NOV Riser Tailing Arm, 2 x NOV AR 4500 iron roughnecks.

Riser Feed 2 x NOV risher handling system and able to handle 75 foot risher joints lengths.

Mud Pumps 4 x NOV Hex pumps, each driven by two Baylor VCM632RUT traction motors rated to 1,275 hp each.

HP Mud System Rated for 7,500 psi
Solids Control 10 x Brandt LCM-3D CM2 shale shakers

Power & Machinery

Main Power 6 x MAN B&W 14V 32/40 diesel engines rated to 6,720 kW and 11,000 volts, driving 6 x LDW-Siemens SSE1250-10SE+wk generators rated 6,426 kW

Emergency Power 1 x STX-MAN-B&W 4 stroke 7 cylinder with a maximum output of 3,098 hp, driving a Hyundai generator rated at 2,100 kW.

Power Distribution Siemens 11 Kv switch board feeding Siemens blue variable speed drive, PWM type generator protection.

Storage Capabilities

Sack Storage 16,000 sacks

BOP & Subsea Equipment

BOP Rams Hydril Compact Dual Ram 18-3/4 inch 15,000 psi BOP utilizing 3 x double ram preventers
BOP Annulars Hydril GX 18-3/4 inch 10,000 psi annular preventer on LMRP
BOP Handling Subsea Venture Inc. BOP skid carts system rated at 340 mt.
Marine Riser Vetco / HMF-G with a 21 inch OD, average length per joint: 75 feet.
Tensioners 6 x Hydraulift tensioners rated to 800,000 lbs. with a maximum stroke of 50 feet.
Diverter Vetco CSO 60 inch rated to 500 psi with 16 inch outlets
Tree Handling 3 x SVI Xmas tree skid carts rated to 90 mt. each.
Moonpool 73 ft. length x 30 ft. width.

Station Keeping / Propulsion System

Thrusters 6 x Rolls Royce thrusters 360 degree azimuthing rated to 7,000 hp. With fixed blades
DP System Kongsberg-Simrad triple-redundant K-POS-32 dynamic positioning system. Full DP

Cranes

Cranes 4 x NOV Pedestal OC 4000KCE Electric Hydraulic cranes rated to 100 mt at a 26.2 radius
Riser Handling 2 x NOV Riser Yoke 30mt Capacity, 2 x NOV Turning Device
Casing/DP 1 x NOV Gripper Claw Yoke, 1 x NOV Magnet Yoke

Other Information

Helideck Rated for Sikorsky S-61 or Chinook 234 helicopters. 75ft. x 90ft.

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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