TRANSOCEAN NORGE
HARSH-ENVIRONMENT SEMI-SUBMERSIBLE

General Description

Design / Generation: Moss Maritime CS60 / 6th Generation
Constructing Shipyard: Jurong Shipyard Pte. Ltd. (Singapore)
Year Entered Service / Significant Upgrades: 2015 / Upgrade 2018
Classification: DNV-GL, GL, GLA1, Column-stabilized Drilling unit(N), Crane(N), DRILL(N), DYNPOS(AUTRO), ED, HELDK-SH(CAA-N), POSMOOR/ATA
Flag: Marshall Islands
Dimensions: 122.6 m long x 94.2 m wide
Draws: 23.5 m operating / 11 m transit
Accommodation: 150 persons
Displacement: 76,981 mt operating / 53,029 mt transit
Variable Deck: 7,500 mt operating / 7,000 mt transit
Transit Speed: up to 8 knots
Maximum Water Depth: 3,000 m designed / 1,000 m outfitted
Maximum Drilling Depth: 12,200 m

Drilling Equipment

Derrick: NOV Type SDBN-1100 Derrick, 64 m high (clear internal), with 15 m long, 16 m wide base, partly enclosed with cladding up to 3 m above Fingerboard Level
Hookload Capacity: 998 mt gross nominal capacity (Derrick)
Drawworks: NOV-SSGD Drawworks, 6,900 hp / 50.8 mm Drilling Line, Max Pull (14 Lines) 907 mt
Compensator: NOV Crown-Mounted Compensator, rated for 454 mt compensated, 998 mt static
Rotary Table: (MNOV RST-755 75-1/2 in. Rotary Table, rated for 907 mt rotating, 1,247 mt static) AKMH With RTSS 60/° hydraulic, 1,000 mt @ 908 mt)
Top Drive: NOV TDX-1000, rated for 907 mt hoisting capacity, 2 x 1,150 hp AC motors, Max Continuous Torque 123,380 Nm @ 116 rpm, 203,373 Nm Break-out Torque
Tubular Handling: 1 x NOV Pipe Handling Crane, rated for 3.5 mt - 12 mt, 1 x NOV Pipe Handling Catwalk for up to 965 mm OD tubular (39 in.) x 15.24 m (50 ft.) long, 2 x NOV ARN-270 Hydratong, 2 x Hydraracker IV
Mud Pumps: 4 x NOV 14P-220 Mud Pumps, 2,200 hp ea.
HP Mud System: Rated for 517 bar (7,500 psi)
Solids Control: 6 x Brandt NOV VSM Multi-Sizer Shale Shakers

Power & Machinery

Main Power: 8 x Caterpillar C280-16, 5,730 kW (7,684 hp) Diesel Engines w/ 8 x ABB 6,875 kVA Generators
Emergency Power: Main Engines classed as Emergency Generators
Power Distribution: 4 x 11kV/60Hz ABB Switchgear (12.3, 4 Split), 8 x ABB (12 pulse) Thruster VFD Switchboards, 4 x ABB (2 split / 24 pulse, 4 split / 12 pulse) Drilling VFD Switchboards, 690 VAC Marine/Drilling Utilities, 440 VAC Galley/Laundry/Workshop Equipment, 230 VAC Lighting/Small Power

Storage Capacities

Fuel Oil: 6,200 m³
Liquid Mud: 334 m³ Active / 1,954 m³ Reserve
Base Oil: 847 m³
Brine: 762 m³
Drill Water: 2,962 m³
Potable Water: 1,165 m³
Bulk Material: 350 m³ (Barite/Bentonite), 350 m³ (Cement), 60 m³ (CaCO₃)
Sack Storage: 8,800 (22.7 kg) sacks

BOP & Subsea Equipment

BOP Rams: 1 x NOV Shaffer 1,034 bar (15,000 psi), 18-3/4 in., 6 Rams (2 x BSR, CSR, 2 x BVR, 5-7/8 in. fixed)
BOP Annulars: 2 x Shaffer 18-3/4 in., 689 bar (10,000 psi) Annular Preventer
BOP Handling: BOP Moopool Trolley rated for 560 mt, BOP Gantry Crane 2 x 275 mt with 2 x 35 mt, Independent BOP and X-Tree Handling
Marine Riser: NOV, 22.8 m (75 ft.) long, 533 mm (21 in.) OD, 102 mm (4 in.) Boost Line
Tensioners: 8 x NOV Dual Wireline Riser Tensioners, 102 mt capacity each, 19.8 m (65 ft.) line travel
Diverter: NOV Annular-type Diverter, Max Bore 21-1/4 in.
Tree Handling: X-mas Tree Handling Crane, 2 x 75 mt (150 mt total) with 5 mt Aux Chain Hoist, 2 x 150 mt X-mas Tree Skid Carts, 1 x 100 mt X-mas Tree Elevator, Above Deck Tree Guiding System
Moonpool: 27.8 m length x 9 m width; outfitted with NOV Under Hull BOP Guidance System

Station Keeping / Propulsion System

Thusters: 8 x Rolls Royce UUC 405FP, 5,600 hp azimuthing thrusters
DP System: Kongsberg Dynamic Positioning System (DP 3)
Mooring System: 8 x 2,200 m + 4 x 450 m, Pre-lay 84 mm chain mooring lines, 4 x Triple Rolls Royce 920 hp Electric VFD Anchor Winches

Cranes

Cranes: 2 x Kenz Lattice Boom Elec-Hyd Pedestal Crane, rated for 100 mt @ 10 – 17.5 m

Other Information

Helideck: Rated for S-92, EH-101, AW-101 helicopters
Other: Winterized, Capacity for 2nd BOP Stack, Trip Saver 1,000 mt Hang-off capacity

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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