

HENRY GOODRICH

HARSH-ENVIRONMENT SEMI-SUBMERSIBLE



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General Description

Design / Generation	Sonat/Mitsui 5000 SES
Constructing Shipyard	Mitsui Engineering & Shipbuilding Tamano, Japan
Year Entered Service / Significant Upgrades	1985
Classification	DNV, 1A1
Flag	Vanuatu
Dimensions	320 ft. long x 251 ft. wide x 154 ft. deep
Drafts	92 ft. operating / 43 ft. transit
Accommodation	146 persons
Displacement	54,782 st operating / 38,708 st transit
Variable Deck	5,512 st operating / 5,512 st transit
Transit Speed	up to 6 knots
Maximum Water Depth	5,000 ft. designed / 5,000 ft. outfitted
Maximum Drilling Depth	30,000 ft

Drilling Equipment

Derrick	Maritime Hydraulics derrick 170 ft. high with a 40 ft x 40 ft. base.
Hookload Capacity	1,500,000 lbs. static load capacity.
Drawworks	Continental Emsco C-3 Type II rated to 3,000 hp using 1-3/4 inch drilling line and GE 752 traction motors.
Compensator	Maritime Hydraulics crown mounted rated to 273 mt of compensated load active heave compensation
Rotary Table	Continental Emsco T4950-65 using 1 x GE 752 traction motor
Top Drive	Varco HPS 750 2E rated to 750 st and using 1 x ABB motor rated at 740 kW and a maximum continuous torque rating of 34,000 ft-lbs. and a maximum pressure rating of 7,500 psi.
Tubular Handling	1 x Western Gear pipe racking system, complete with 2-3/8 inch to 20 inch OD tubular handling capabilities.
Mud Pumps	4 x Continental Emsco Model FB1600 pumps, each driven by 2 x GE 752 traction motors.
HP Mud System	Rated for 7,500 psi
Solids Control	5 x Thule VSM 300 linear motion shale shakers.

Power & Machinery

Main Power	4 x Wartsila 12V32 diesel engines each driving 1 x a 4,200 kW AC Stromberg generator.
Emergency Power	1 x Wartsila 6R32 diesel engine driving 1 x Stromberg 1,800 kW generator.
Power Distribution	GE system with split main switchboards with AC generator protection.

Storage Capacities

Fuel Oil	11,100 bbl
Liquid Mud	3,300 bbl Active / 0 bbl Reserve
Base Oil	2,350 bbl
Brine	4,060 bbl
Drill Water	17,120 bbl
Potable Water	4,365 bbl
Bulk Material (barite/bentonite)	(mud + cement) 30,000 cu.ft
Sack Storage	10,000 sacks

BOP & Subsea Equipment

BOP Rams	1 x Hydril Compact 18-3/4 inch 15,000 psi BOP with 2 x double ram cavity and 1 x single ram cavity. (5 ram preventer)
BOP Annulars	1 x Hydril 18-3/4 inch 10,000 psi annular preventer.
BOP Handling	1 x Landel Bridge Crane with 2 x 100 mt and 2 x 10 mt hoists
Marine Riser	Vetco MR6E 21 inch OD risers with an average length of 65 ft per joint
Tensioners	16 x tensioners rated to 100 kips with a line travel of 66 ft
Diverter	Hydril FS 49 inch 500 psi diverter with a 12 inch flow line.
Moonpool	23 ft. length x 26 ft. width.

Station Keeping / Propulsion System

Thrusters	2 x Nijgat Liaaen 6,904 hp fully azimuthing with fixed pitch propellers and are variable speed thrusters.
Mooring System	12 x Mitsubishi drum winches each with 3 inch x 5,500 ft K4 chains and Vryhof Stevpris MK5 15 mt anchors

Cranes

Cranes	2 x Leibherr BOS75/1300 cranes, with 141 ft. booms and rated to 75 mt at a 39 ft. radius.
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Other Information

Helideck	Rated for Sikorsky S-61 helicopters. 89 ft. diameter.
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Revision Date: 29 August 2014

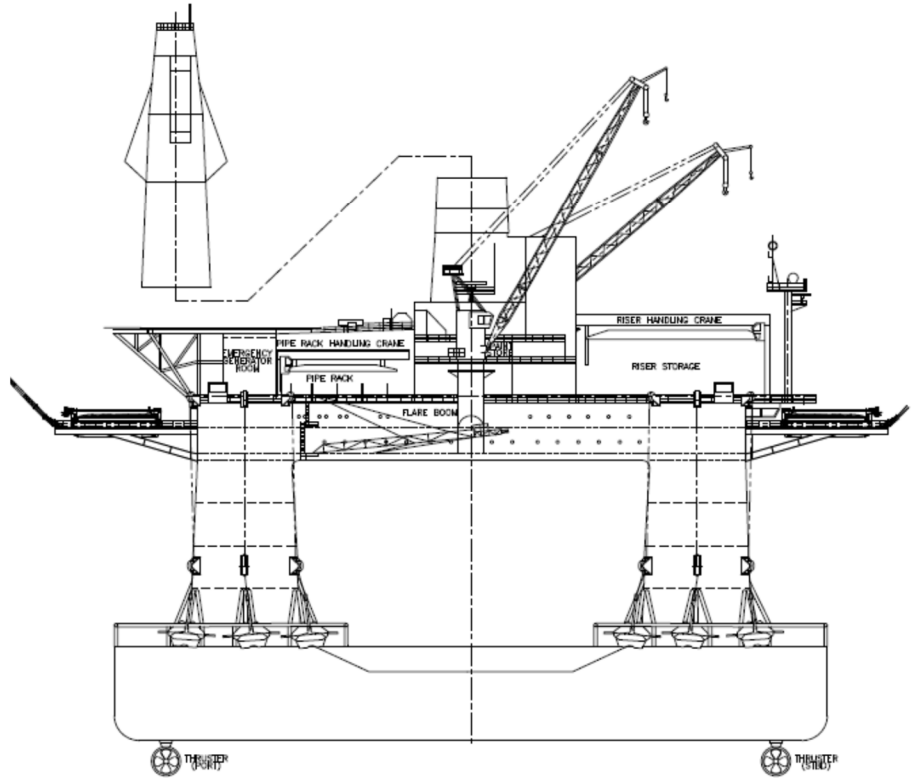
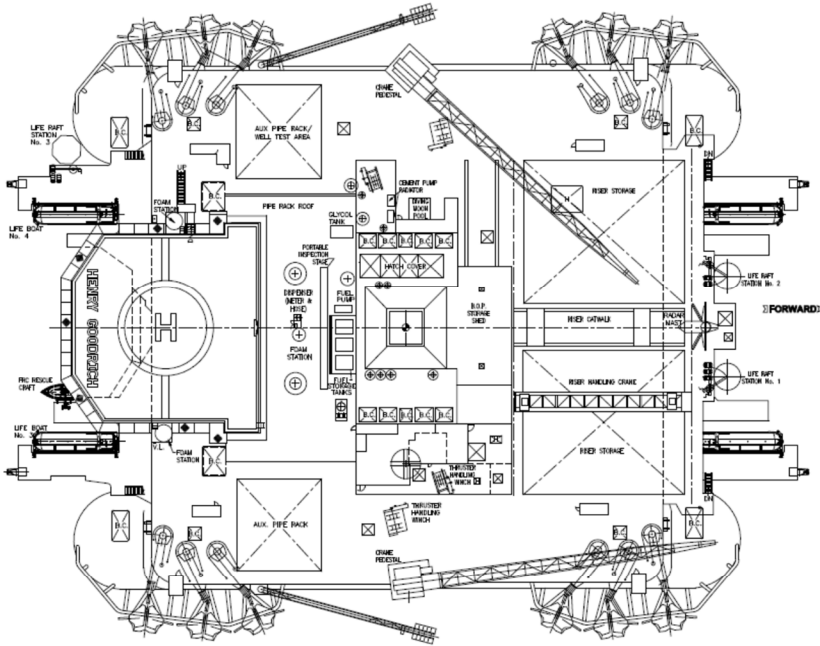


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating 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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BOUNDLESS

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**SERVICE FOCUSED
DATA DRIVEN
PERFORMANCE ORIENTED**



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