PETROBRAS 10000

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP

GENERAL DESCRIPTION

Design / Generation	Samsung 10000 Double Hull
Constructing Shipyard	Samsung Heavy Industries South Korea
Year Entered Service / Significant Upgrades	2009
Classification	ABS+A1(E)
Flag	Marshall Islands
Dimensions	748 ft. (228 m) x 137 ft. (41.7 m) x 62 ft. (18.8 m) deep
Drafts	39 ft. (11.8 m) operating / 28 ft. (8.5 m) transit
Accommodation	199 persons
Displacement	108,024 st. (97,999 mt) operating
Variable Deck	22,046 st. (19,999.7 mt) operating / 18,188 st. (16,499 mt) transit
Transit Speed	up to 12 knots
Maximum Water Depth	12,000 ft. (3,657.6 m) designed / 10,000 ft. (3,048 m) outfitted
Maximum Drilling Depth	37,000 ft. (11,277 m)



DRILLING EQUIPMENT

Derrick	NOV Dual Dynamic Bottle Neck, 200 ft. (60.0 m) high, with 80 ft. (24.4 m) x 80 ft. (24.4 m) base
Hook Load Capacity	(Main) 1,000 st. (907 mt) capacity, (Aux) 486 st. (440.8 mt) capacity
Drawworks	(Main) NOV SSGD-1000-5700-55-82-10.5, 5 x Baylor CM 628-TUT electric motors rated at 5,750 hp and 1,000 st. (907 mt) with 12 x 2" drilling lines strung, (Aux) NOV SSGD-1000-5750-55-82-10.5, 5 x Baylor CM 628-TUT electric motors rated at 5,750 hp and 1,000 st. (907 mt) with 12 x 2" drilling lines strung
Compensator	(Main and Aux) NOV CMC-1000/2000-25, rated at 500 st. (453.5 mt) compensated and 1,000 st. (907 mt) on the beams with a 25 ft. (7.6 m) stroke active heave compensation
Rotary Table	(Main and Aux) NOV RST605-2G with a 60-1/2" opening and rated at 1,000 st. (907 mt)
Top Drive	(Main and Aux) NOV HPS 1000 2E-AC-KT 907 st. (823 mt) capacity driven by 2 x GE GEB AC motors rated at 78,450 ft.-lbs. continuous drilling torque in low gear
Tubular Handling	Dual Hydro-Racker system HR-IV pipe racking system, complete with 2 x Hydratong MPT-200 and 1 x NOV MHP-10-15 Power Mousehole
Riser Feed	19 x 21" riser at a length of 90 ft. (27.4 m)
Mud Pumps	4 x NOV 2,700 hp triplex pumps, each driven by 2 x Baylor CM628TUT traction motors
HP Mud System	Rated for 7,500 psi
Solids Control	6 x NOV VSM 300 high speed linear motion shale shakers

CRANES

Cranes	4 x National Oilwell Varco 3932 cranes, with an additional 1 x 11 st. (9.9 mt) pipe gripper

POWER AND MACHINERY

Main Power	6 x Wartsila W16V32 diesel engines rated at 7,200 kW, 720 rpm, each driving 1 x 8,750 kVA ABB/AMG 0900 x U10 generators
Emergency Power	1 x Lindenberg-Anlagen MTU 12V 4000P 81 diesel engine rated at 1,600 kW, at 1,800 rpm driving 1 x Leroy Somer LSAM generator
Power Distribution	11 kV, 440 V, 60 Hz, 3-phase drilling drive system

STORAGE CAPACITIES

Fuel Oil	38,900 bbl (6,184 m3)
Liquid Mud	5,500 bbl (874 m3) active / 6,000 bbl (954 m3) reserve
Base Oil	2,800 bbl (445 m3)
Brine	2,800 bbl (445 m3)
Drill Water	17,600 bbl (2,798 m3)
Potable Water	8,100 bbl (1,287 m3)
Bulk Material	(mud + cement) 32,490 cu. ft. (920 m3)
Sack Storage	10,000 sacks

BOP AND SUBSEA EQUIPMENT

BOP Rams	Shaffer 18-3/4" 15,000 psi 6-ram preventer (3 x triple)
BOP Annulars	2 x Shaffer 18-3/4" 10,000 psi annular preventers
BOP Handling	BOP crane x 2 rated at 220 st. (199.5 mt) main hoists and 1 x 38 st. (34.4 mt) service hoists, BOP Trolley rated at 463 st. (420 mt) with 4 x storage stands
Marine Riser	Shaffer 21" OD FT-H and 90 ft. (27.4 m) long per joint
Tensioners	8 x NOV Dual wireline riser tensioners, rated at 100 st. (90.7 mt) each, and a 12.5 ft. (3.8 m) maximum stroke
Diverter	Shaffer 21-500 diverter rated at 500 psi and an opening of 60-1/4" with 1 x 18" low line
Tree Handling	1 x 440 st. (399 mt) Xmas tree trolley
Moonpool	84 ft. (25.6 m) length x 41 ft. (12.5 m) width

STATION KEEPING / PROPULSION SYSTEM

Thrusters	6 x (3 at forward, 3 at aft) Wartsila FS3502-671 NU 4,500 kW, with variable speed AC direct drive, azimuthing, and fixed pitch blades
DP System	Kongsberg Simrad system DP-3, dual redundant DGPS or equivalent and dual HiPAP hydro acoustic position reference

OTHER INFORMATION

Helideck	Rated for Chinook BV 234 helicopters

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.

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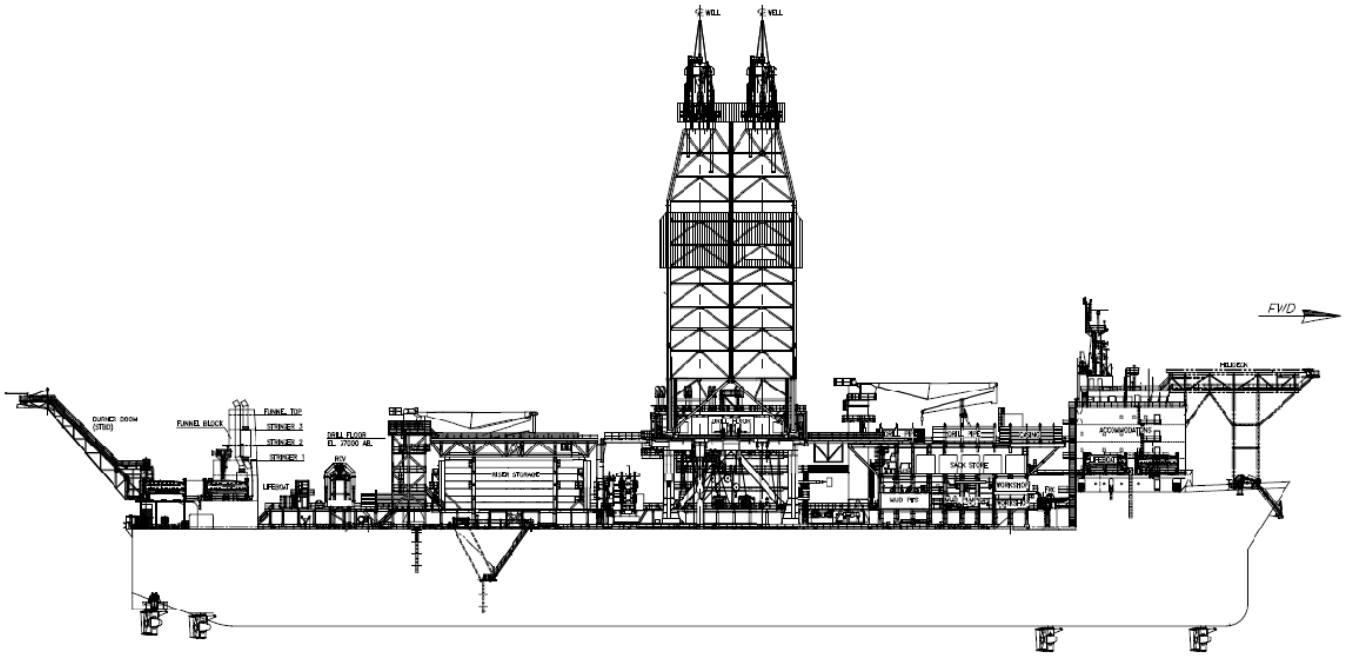
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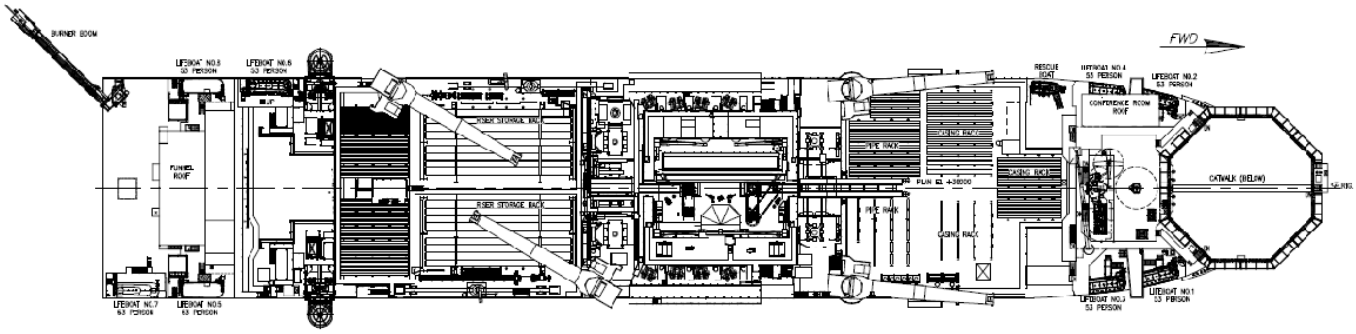
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Current as of: 10/03/2022

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