

GSF DEVELOPMENT DRILLER I

ULTRA-DEEPWATER SEMI-SUBMERSIBLE



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General Description

Design / Generation	Friede & Goldman, Ltd.
Constructing Shipyard	Jurong, Singapore
Year Entered Service / Significant Upgrades	2005
Classification	ABS, A1, AMS, DPS-2
Flag	Vanuatu
Dimensions	244.2 ft. (74 m) x 244.2 ft (74 m) (main deck)
Drafts	65.6 ft. (19.9 m) operating / 26.9 ft. (8.1 m) Transit
Accommodation	170 persons
Displacement	46,507 lt. (47,253 mt) load line / 27,103 lt. (27,537 mt) light ship
Variable Deck	7,716 st (6,999 mt) operating / 7,716 st (6,999 mt) transit
Transit Speed	up to 6 knots
Maximum Water Depth	7,500 ft. (2,286 m) designed / 7,500 ft. (2,286 m) Outfitted
Maximum Drilling Depth	37,500 ft. (11,430 m)

Drilling Equipment

Derrick	Bailey, 228 ft. (69 m) high, with 52 ft (15.8 m). long, 57 ft (17 m) wide base
Hookload Capacity	1,000st (907 mt). capacity
Drawworks	(Main) NOV / Hitech AHD 1000 with 6 x 1150 hp electric motors; 1,000 st (907 mt) rated with 2" drilling line (Aux) NOV / Hitech AHD 500 with 4 x 1150 hp electric motors; 500 st (453 mt) rated with 1-3/4" drilling line
Compensator	(Main) Active heave drawworks, see above (Aux) Active heave drawworks, see above
Rotary Table	(Main) Varco RST-605, 60" hydraulic, 1,000 st (907 mt). static. (Aux) Varco RST-495 49-1/2", hydraulic, 500 st (453 mt). static.
Top Drive	(Main) Hydralift HPS-1000 2E(AC) 1,000 st (907 mt). capacity, with 2 x GEB AC 1,150 hp. motors, rated to 78,450 ft.-lbs. maximum continuous drilling torque (Aux) Hydralift HPS-500 E(AC) 500 st (453 mt) capacity, with 1 x GEB AC 1,150 hp. motor, rated to 62,500 ft.-lbs. maximum continuous drilling torque
Tubular Handling	1 x Hydralift ARN-166 Iron Roughneck and 1 x Hydralift Bridge Racker pipe racking system
Mud Pumps	4 x National 14-P-220 triplex 7,500 psi pumps, each driven by 2 x GEB-22A2 AC 1,150 hp. motors.
HP Mud System	Rated for 7,500 psi
Solids Control	2 x Swaco Gumbo-X primary scalper conveyer; 8 x Swaco BEM-650 cascading shale shakers

Power & Machinery

Main Power	8 x Caterpillar 3612 5,096 hp. diesel engines, each driving 1 x ABB AMG 0710 11,000 volts at 900 rpm generator.
Emergency Power	1 x Caterpillar 3516 2413 hp. diesel engine driving 1 x Caterpillar SR4B 1,370 kW generator.

Storage Capacities

Fuel Oil	20,855 bbl (3,315 m3)
Liquid Mud	7,233 bbls. Active (1,150 m3) / 12,087 bbls. Reserve (1,922 m3)
Base Oil	4,679 bbl (744 m3)
Brine	4,876 bbl (775 m3)
Drill Water	14,714 bbl (2,339 m3)
Potable Water	4,750 bbl (755 m3)
Bulk Material	(mud + cement) 27,395 cu.ft (775 m3)
Sack Storage	5,160 (.025 st) sacks

BOP & Subsea Equipment

BOP Rams	Hydril Compact 18-3/4" 15,000 psi; 6 x ram preventer; (2 x Hydril Compact doubles, 1 x Hydril Compact single, 1 x Cameron TL Single)
BOP Annulars	2 x Hydril GX Latch Head 18-3/4" 10,000 psi pressure annular preventers
BOP Handling	2 x Hydralift Gantry Cranes, 110.2 st (9.9 mt) total capacity; 1 x Hydralift BOP Transporter 440 st (399 mt). Capacity
Marine Riser	Kvaerner Clip 21", 75 ft.(22.8 m) per joint (nominal).
Tensioners	12 x Hydralift Inverted riser tensioners, 125 st. (133 mt) each; (150" stroke)
Diverter	Vetco CSO 20", 500/1000 psi diverter with 16" flow lines
Tree Handling	N/A
Moonpool	140 ft. (42.6 m) length x 28 ft. (8.5 m) Width

Station Keeping / Propulsion System

Thrusters	8 x 4,300 hp. thrusters, fixed pitch, azimuthing nozzled thruster (2 x corner)
DP System	Kongsberg Simrad SDPM DP-2+
Mooring System	8 x Bodewes electric 1,150 hp drum winches with 1 x GEB 22A2 AC motors/winch; 2 x Bridon Dyform DB2K 3-1/2" x 10,500 ft. (3,200 m) mooring lines; 8 x 3,260 ft. (993 m) of 3-1/4". stud link chain

Cranes

Cranes #1 & #2	2 x Leibherr MTC 6000-150 Litronic; 173 ft. (52.7 m) boom; 165 st. (149 mt) at 70 ft. (21 m) radius.
Crane #3	1 x Hydralift KMCVCT 2806; 115 ft. (35 m) boom; 11st (9.9 mt) at 115 ft. (35 m) radius cranes.

Other Information

Helideck	Rated for EH101 helicopters, 83 ft. (25.3 m) Diameter
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Revision Date: 14 July 2022

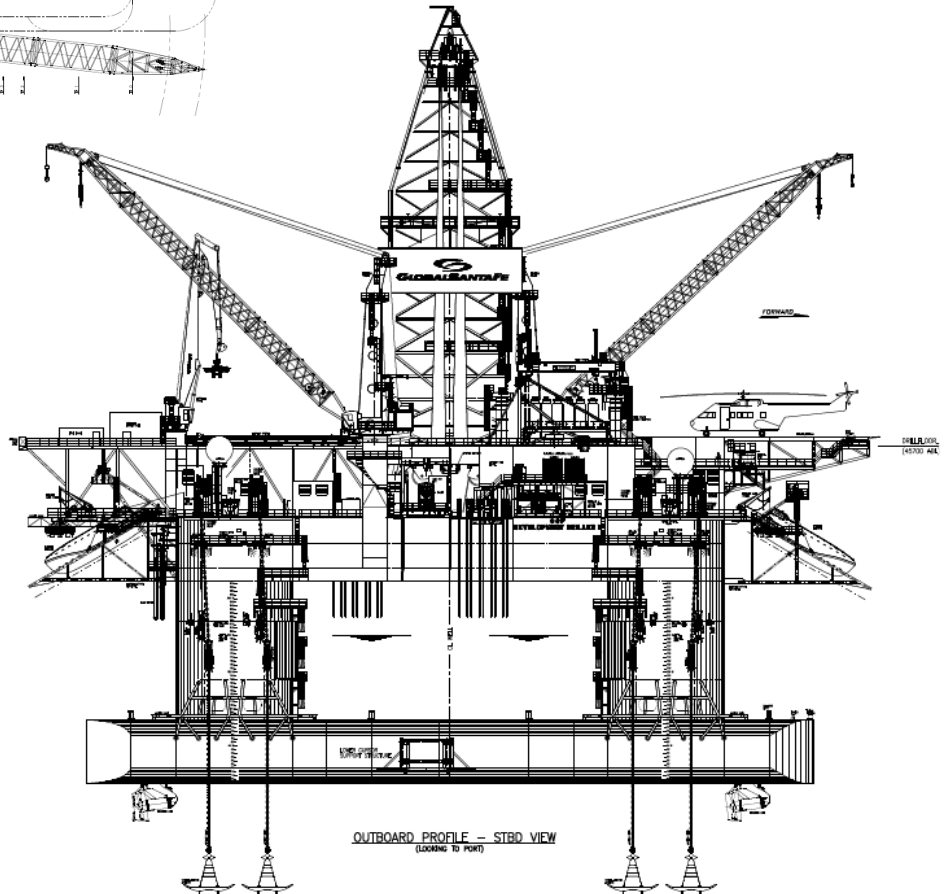
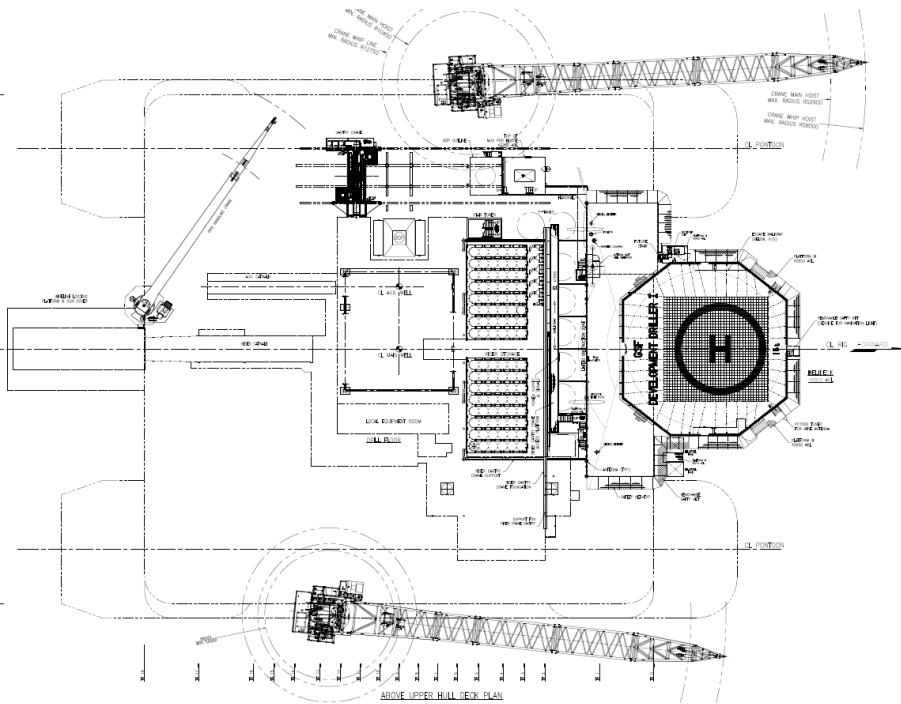


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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