

DEVELOPMENT DRILLER III

ULTRA-DEEPWATER SEMI-SUBMERSIBLE



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General Description

Design / Generation	KFELS MSC Gusto DSS51
Constructing Shipyard	KFELS, Singapore
Year Entered Service / Significant Upgrades	2009
Classification	DNV 1A Column Stabilized Drilling Unit Crane-Offshore DPS (2) POSMOOR
Flag	Vanuatu
Dimensions	257 ft.(78.3 m) long x 255 ft.(77.7 m) wide x 121 ft.(36.8 m) deep
Drafts	67 ft.(20.4 m) operating / 32 ft.(9.7 m) transit
Accommodation	200 persons
Displacement	59,385 st (53,783 mt) operating / 43,417 st (39,388 mt) transit
Variable Deck	14,881 st (13,500 mt) operating / 7,419 st (6,730 mt) transit
Transit Speed	up to 5 knots
Maximum Water Depth	10,000 ft. (3,048 m) designed / 7,500 ft. (2,286 m) Outfitted
Maximum Drilling Depth	37,500 ft. (10,668 m)

Drilling Equipment

Derrick	NOV Dual-Static Bottle Neck Derrick, 200 ft. (61m) x 52 ft. (15.8 m) x 57 ft. (17.3 m)
Hookload Capacity	(Main) 1,000 st (907 mt) capacity (Aux) 500 st (453.5 mt) capacity
Drawworks	(Main) NOV AHD-1000, 6,900 input hp (Aux) NOV AHD-500, 4,600 input hp
Compensator	Main and Auxiliary, compensated via the AHDs above
Rotary Table	(Main) NOV RST-605 60-1/2" opening rated at 1,375 st (1,247 mt) with a maximum continuous output of torque of 45,000 ft-lbs (Aux) NOV RST-495 49-1/2" opening rated at 500 st (454 mt) with a maximum continuous output of torque of 45,000 ft-lbs
Top Drive	(Main) NOV HSP-1000 1,000 st (907 mt) rated capacity, with 1 x GEB AC motor, rated to 78,450 ft.-lbs. maximum drilling torque (Aux) NOV HSP-500 500 st (454 mt) rated capacity, with 1 x GEB AC motor, rated to 58,500 ft.-lbs. maximum drilling torque
Tubular Handling	NOV Bridge Racker System
Mud Pumps	4 x National 14-P-220 triplex pumps, each driven by 2 x GE 752 traction motors
HP Mud System	Rated for 7,500 psi
Solids Control	2 x MiSwaco / Mongoose, 2 x MiSwaco / BEM-650, 5 x Axiom AX-1 shale shakers

Power & Machinery

Main Power	8 x Caterpillar 3616 diesel engines rated at 6,760 hp at 900 rpm, each driving 1 x Leroy Somner LSA 58L generator.
Emergency Power	1 X Caterpillar 3516B diesel engine rated at 1,715 hp; 1,200 rpm driving 1 x Leroy Somner type generator.
Power Distribution	8 x 4,860 kVA SWBD transformers generator protection.

Storage Capacities

Fuel Oil	27,362 bbl (4,350 m3)
Liquid Mud	11,800 bbl. (1,876 m3) Active / 10,000 bbl. (1,5990 m3) Reserve
Base Oil	4,837 bbl (769 m3)
Brine	4,824 bbl (767 m3)
Drill Water	13,234 bbl (2,104 m3)
Potable Water	5,221 bbl (830 m3)
Bulk Material	(mud + cement) 48,000 cu.ft (1,359 m3)
Sack Storage	4,000 sacks

BOP & Subsea Equipment

BOP Rams	Hydril compact 18-3/4" 15,000 psi 6-ram preventer (2 x doubles, 2 x singles, incl. a Kinetic Blowout Stopper (K-BOS))
BOP Annulars	2 x Hydril GX 18-3/4" 10,000 psi annular preventer. (1 on stack and 1 on LMRP)
BOP Handling	BOP crane Hydra Lift 2 x 100 st (90.7 mt) and 25 st (22.7 mt) auxiliary winches. BOP transporter elevator with a 440 st (400 mt) capacity
Marine Riser	Kvaerner 21" OD 'Clip' type marine riser with an average of 75 ft. (22.8 m) long per joint and 2 x 4" x 15, 000 psi Choke/kill lines.
Tensioners	12 x Hydra lift tensioners rated at 125 st (113 mt) each for a total of 1,500 st (1360 mt)
Diverter	Vetco CSO 20" OD rated at 500 psi with 18" flow line
Tree Handling	Hydra Lift 220 st (200 mt) capacity skid cart
Moonpool	136 ft. (41.4 m) length x 25 ft. (7.6 m) width

Station Keeping / Propulsion System

Thrusters	8 x 5,360 hp variable speed fixed pitch thrusters; azimuthing.
DP System	Kongsberg DNV class DPS2+
Mooring System	4 x Brohl anchor winches with 8 x Vryhof Stevpris NG 1500 15 st (13.6 mt) anchors with 8 x 1,970 ft. (600.5 m) of stud link chain 3-1/2" in diameter with a breaking strength of 898 st (814 mt).

Cranes

Cranes #1 & #2	2 x Liebherr MTC 6000 pedestal cranes with 167 ft (50.9 m) booms and rated at 150 st (136 mt) at a radius of 64 ft. (19.5 m)
Crane #3	1 x NOV knuckle boom crane with 115 ft. (35 m) boom and rated at 16.5 st (14.9 mt) at a radius of 82 ft. (25 m)

Other Information

Helideck	Rated for Sikorsky S-61 & S-92 helicopters.
Additional Features	1 x Huisman 'Over-the-side' active heave compensated subsea construction winch for up to 7,500 ft. (2,286m) operating depth; with 1 x 137 st (125 mt) winch complete with 80 mm wire; 1 x 11 st (10 mt) winch complete with 28mm wire. Complete with control cabin and moveable hang-off platform to transfer winch loads to I from the port-side rig crane. Location: Port side midship

MPD-Ready upgraded

Revision Date: 14 February 2023

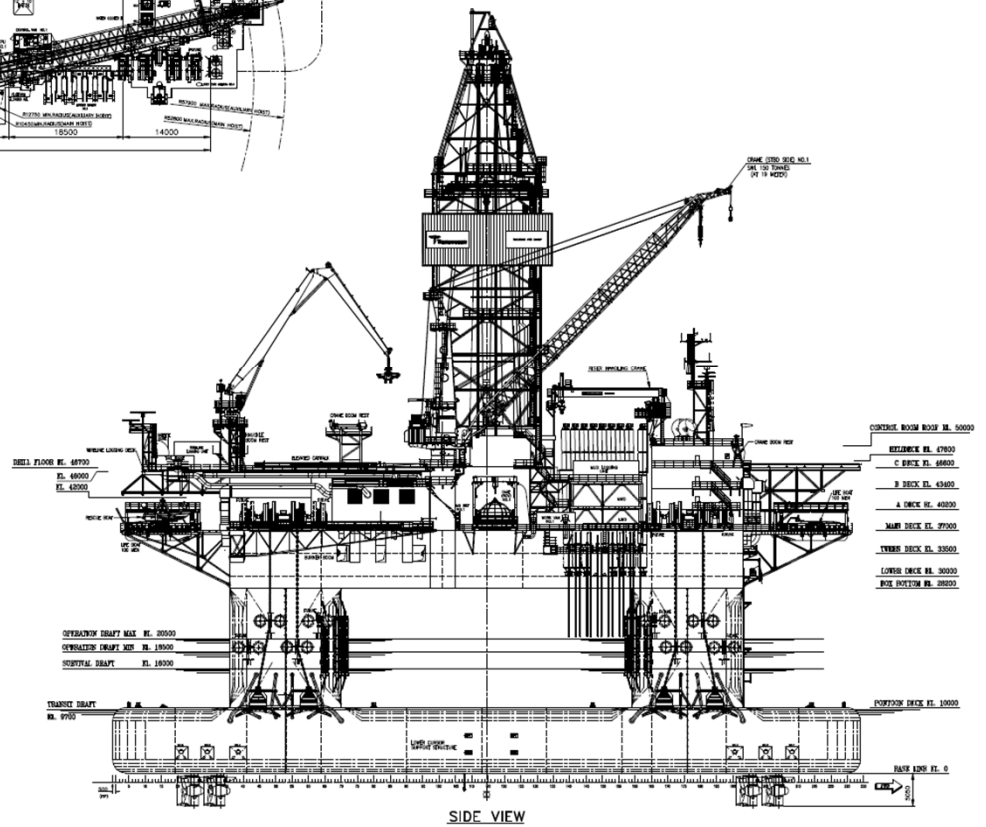
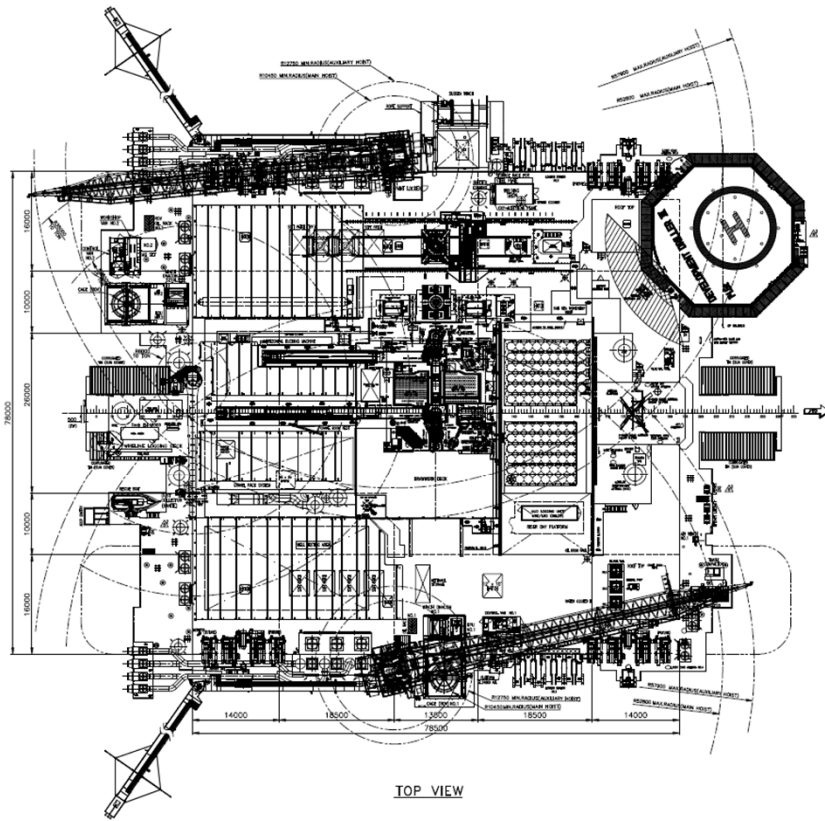


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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