

DISCOVERER DEEP SEAS

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



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General Description

Design / Generation	Transocean Enterprise class
Constructing Shipyard	Astano, Spain
Year Entered Service / Significant Upgrades	2001
Classification	DNV +1A1
Flag	Marshall Islands
Dimensions	835 ft. long x 125 ft. wide x 64 ft. deep
Drafts	42 ft. operating / 39 ft. transit
Accommodation	200 persons
Displacement	111,830 st operating
Variable Deck	22,046 st operating / 19,841 st transit
Transit Speed	up to 12 knots
Maximum Water Depth	10,000 ft. designed / 10,000 ft. outfitted
Maximum Drilling Depth	35,000 ft

Drilling Equipment

Derrick	Dreco Dual Activity, 226 ft. high, with 80 ft. long, 80 ft. wide base.
Hookload Capacity	(Main) 2,000,000 lbs. gross nominal capacity (Aux) 2,000,000 lbs. gross nominal capacity
Drawworks	(Main): 2 x Continental Emsco EH-V5000; rated at 1,000 st with a 2 inch line. (Aux): 2 x Continental Emsco EH-V5000; rated at 1,000 st with a 2 inch line.
Compensator	(Main) Varco Crown Mounted Compensator CM-25-1000. (Aux) Varco Crown Mounted Compensator CM-25-1000.
Rotary Table	(Main) Varco BJ RST 605 with a 60-1/2 inch maximum opening, and rated to 1,000 st. (Aux) Varco BJ RST 605 with a 60-1/2 inch maximum opening, and rated to 1,000 st.
Top Drive	(Main) Varco TDS8S rated to 750 st with a PH-100 pipe handler, and a maximum continuous torque rating of 62,250 lbs. (Aux) Varco TDS8S rated to 750 st with a PH-100 pipe handler, and a maximum continuous torque rating of 62,250 lbs.
Tubular Handling	Varco PRS-5 and PLS-5 pipe racking system, and Varco AR 3500 Iron Roughneck.
Riser Feed	ABB Vetco HY-3 1,000 st hydraulic
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	8 x Brandt LCM-2D/CM-2 linear motion shale shakers.

Power & Machinery

Main Power	4 x Wartsila18V32 LNE 9,772 hp diesel engines, each driving ABB AC generators. 2 x Wartsila 12V32 LNE 6,515 hp engines driving ABB AC generators.
Emergency Power	1 x Wartsila 6R32 LNE diesel engine rated at 3,257 hp and driving an ABB 480V AC generator.
Power Distribution	18 Baylor/Cegelec SCR system generator protection.

Storage Capacities

Fuel Oil	33,252 bbl
Liquid Mud	20,000 bbl
Base Oil	125,000 bbl
Brine	125,000 bbl
Drill Water	12,321 bbl
Potable Water	7,062 bbl
Bulk Material	(mud + cement) 32,000 cu.ft.
Sack Storage	16,000 sacks

BOP & Subsea Equipment

BOP Rams	3 x Hydril 18-3/4 inch 15,000 psi Compact Double Ram Preventer
BOP Annulars	1 x Hydril GX Annuflex 18-3/4 inch 10,000 psi annular preventer.
BOP Handling	Subsea Ventures Inc. BOP skid system comprised of 4 x BOP/Auxiliary skidding carts rated to 350 st each.
Marine Riser	Vetco HMF -F 21 inch OD and 75 ft. long joints; and 4-1/2 inch ID 15,000 psi choke and kill lines
Tensioners	6 x Hydralift 400 st direct acting cylinders with a 50 ft. stroke length.
Diverter	Vetco CSO with a 60 inch bore and rated to 500 psi.
Moonpool	72 ft. length x 30 ft. width.

Station Keeping / Propulsion System

Thrusters	6 x Rolls Royce Aquamaster 7,000 hp fully azimuthing.
DP System	Kongsberg Maritime Triple Redundant SDP 32 system

Cranes

Cranes	2 x 75 MT and 2 x 65 MT Hydralift electrohydraulic knuckle boom cranes, 6 m to 45 m lift radius.
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Other Information

Helideck	Rated for Chinook 234 helicopters
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Revision Date: 29 August 2014

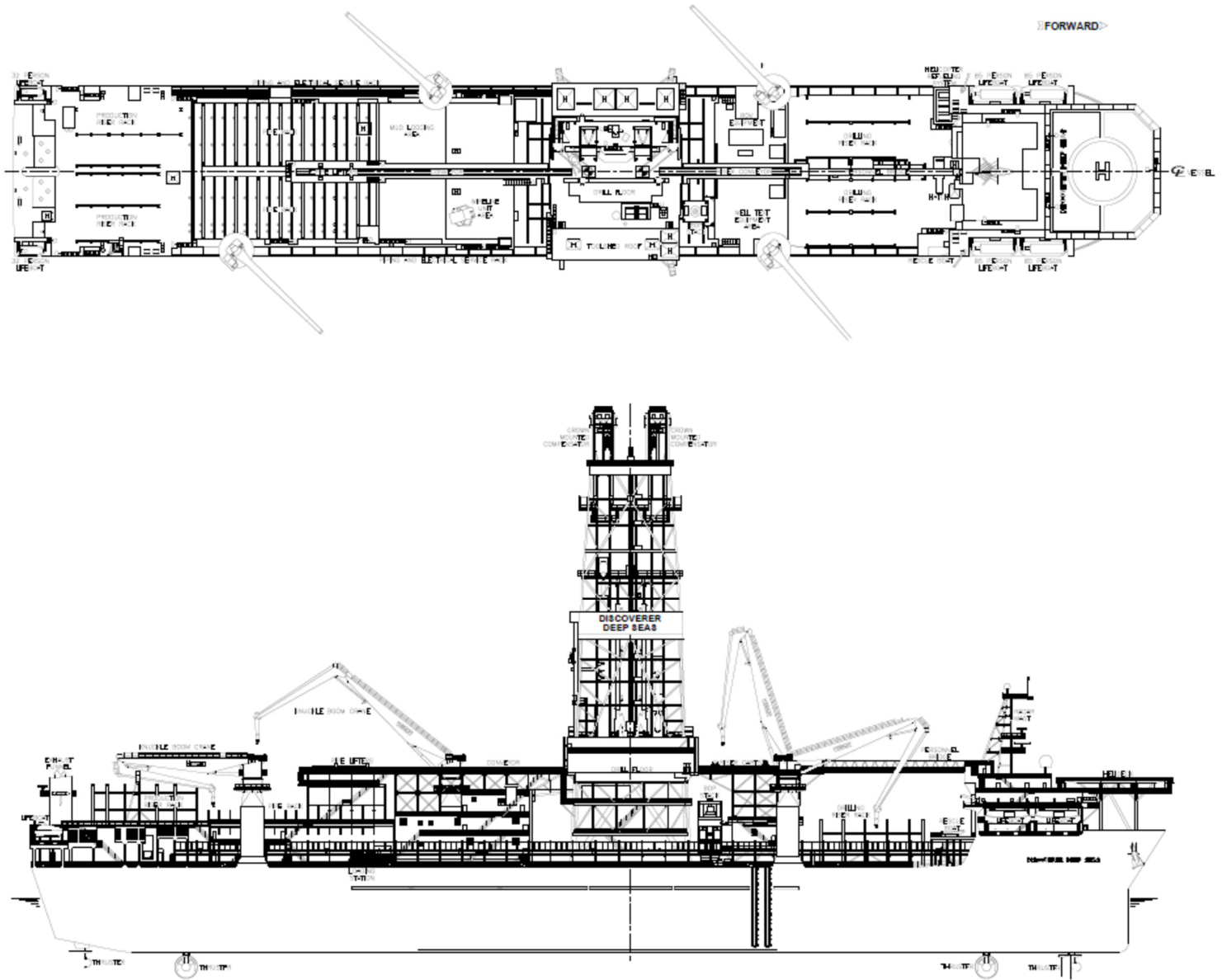


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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

SERVICE FOCUSED
DATA DRIVEN
PERFORMANCE ORIENTED

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