DEEPWATER TITAN

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP

GENERAL DESCRIPTION

Design / Generation	Jurong Espadon JE3T Ultra Deepwater Drillship
Constructing Shipyard	Jurong Shipyard, Pte Ltd, Singapore
Year Entered Service / Significant Upgrades	2023
Classification	DNV +1A1, Ship Shaped Drilling Unit, E0, DYNPOS AUTRO, DRILL, CRANE, HELDK, BIS, MPD
Flag	Marshall Islands
Dimensions	817 ft. (249 m) x 139.4 ft. (42.5 m) x 64 ft. (19.5 m) depth
Drafts	Maximum Operating 38.05 ft. (11.6 m) / Transit 26.3 ft. (8 m)
Accommodation	220 persons
Displacement	103,066 st. (93,523 mt) (Loadline)
Variable Deck	25,353 st. (23,000 mt) operating / 15,432 st. (14,000 mt) transit
Transit Speed	12 knots
Maximum Water Depth	12,000 ft. (3,657.6 m) designed / 8,000 ft. (2,438 m) outfitted
Maximum Drilling Depth	40,000 ft. (12,192 m)



DRILLING EQUIPMENT

Derrick	Dual Dynamic Bottle Neck Type (DDBN-1750/1250), 210 ft. (64 m) clear lifting height x 80 ft. (24.4 m) x 60 ft. (18.3 m), designed to API-4F, SSL E2/U2
Gross Hook Loads	(Main) 1,700 st. (1,542 mt) capacity, (Aux) 1,250 st. (1,134 mt) capacity
Drawworks	(Main) NOV AHD-1700-10500 hp, (Aux) NOV AHD-1250-9000 hp
Compensator	Active Heave Compensating Drawworks (Main/Aux), (Main) NOV CMC-E-1500/3300-7x78, rated 1,650 st. (1,497 mt) locked, 750 st. (680 mt) compensating, 25 ft. (7.6 m) stroke
Rotary Table	(Main and Aux) NOV RST-755 75-1/2" hydraulic rated at 1,500 st. (1,361 mt) (main), 1,250 st. (1, 134 mt) (aux); both 45,000 ft.-lbs. maximum continuous torque
Top Drive	NOV TDX-1500 (main), NOV TDX-1250 (aux)
Tubular Handling	Two (2) NOV ARN-270-(TW-3/60) Iron Roughnecks for tubulars ranging from 3-1/2" to 10," racking systems for tubular range of 3-1/2" to 22" with two (2) vertical NOV/HR-IV-ER Hydraracker pipe racking systems, one (1) NOV Pipe Catwalk Shuttle, CWS-P20-90HS-90-HS, maximum capacity 22 st. (20 mt), 93 ft. (28.3 m) tubular at 36" diameter
Riser Feed	One (1) NOV Riser Catwalk Machine, CWM-R45-90-HS, maximum capacity 49 st. (45 mt), two (2) Riser Cranes and a Riser Lift
Mud Pumps	Five (5) NOV 14-P-220 AC triplex pumps, 10,000 psi, each driven by two (2) x GE 1,150 hp 690VAC motors
HP Mud System	Rated 10,000 psi
Solids Control	Six (6) Brandt Single VSM-MS triple deck shale shakers

CRANES

Cranes	Three (3) 110 st. (100 mt) knuckle boom cranes at 65.6 ft. (20 m) radius, rated at 27 st. (25 mt) at a radius of 164 ft. (50 m)
Subsea Crane	One (1) 181 st. (165 mt) active heave compensated knuckle boom crane for handling subsea equipment to 12,000 ft. (3,657.6 m) WD
Stern Crane	One (1) 44 st. (40 mt) crane for thruster motor removal and flare boom handling

POWER AND MACHINERY

Main Power	6ea Wartsila 16V32E 4-stroke, 720 rpm, 7680 kW each total 46,080 kW, each driving a 7,200 kW, 11 kV generator each, total 43,200 kW
Emergency Power	One (1) 4-stroke, 1,800 rpm Cummins CSMXTA60OLGS diesel engine rated at 1,900 kW driving a 690VAC 1,700 kW, 2,125kVA generator, one (1) Schneider emergency power switchboard; drill floor hybrid energy storage systems (ESS)
Power Distribution	Three (3) Siemens 11KV AC switchboards with (AGP)® (Advanced Generator Protection), three (3) Siemens 690VAC Drilling VFD switchboards, six (6) Schneider 690VAC low voltage switchboards (3 forward, 3 aft)

STORAGE CAPACITIES

Fuel Oil	53,067 bbl (8,437 m3)
Liquid Mud	19,821 bbl (3,151 m3)
Base Oil	6,289 bbl (1,000 m3)
Brine and Completion Fluids	19,580 bbl (1,735 m3)
Drill Water	23,989 bbl (3,814 m3)
Potable Water	12,970 bbl (2,062 m3)
Bulk Material	(mud + cement) 35,315 cu. ft. (1,000 m3)
Sack Storage	10,000 sacks

BOP AND SUBSEA EQUIPMENT

BOP	Two (2) x six (6) ram 18-3/4" x 20,000 psi NOV BOPs consisting of three (3) doubles, separate test control system for the second BOP while the primary BOP is deployed
LMRP	Two (2) LMRPs, each including one (1) BHGE 18-3/4" 10,000 psi GX annular preventer
BOP Handling	NOV BOP Moonpool Trolley rated at 716 st. (650 mt), BOP Gantry Crane with two (2) x 330 st. (300 mt) main hoist and two (2) 38 st. (35 mt) auxiliary hoists
Marine Riser	NOV FT-HC 21" OD Flanged, with 4" ID, 20,000 psi K/C lines, 4" ID booster line and 2ea conduit lines
Tensioners	4,000 kips combined capacity using eight (8) NOV WRT-250-D50PL dual riser tensioners rated at 125 st. (113 mt) each, 50 ft. (15.2 m) stroke
Diverter	NOV/Shaffer / 21-500-75-EXT, 21" x 500 psi with one (1) 16" overboard valve feeding a 16" flow selector with two (2) 16" overboard lines
Tree Handling	One (1) 1,102 st. (1,000 mt) combined Xmas Tree Trolley and Riser Trip Handling Cart, two (2) 165 st. (150 mt) skid carts with 4-way skidding
BOP Controls	NOV Multiplex control system, with deadman system, auto-shear, acoustic back-up system and ROV Intervention
Moonpool	92 ft. (28 m) length x 29.5 ft. (9 m) width

STATION KEEPING / PROPULSION SYSTEM

Thrusters	Six (6) Rolls Royce UUC 455 FP variable speed, demountable azimuthing thrusters, 5,500 kW each, with advanced thruster capabilities (ADCAP)
DP System	DPS-3 rated for water depth up to 12,000 ft. (3,658 m) with backup DP system. Kongsberg DP-32, DP-12, and C-Joy System

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. See https://www.deepwater.com/patents for details.

Transocean

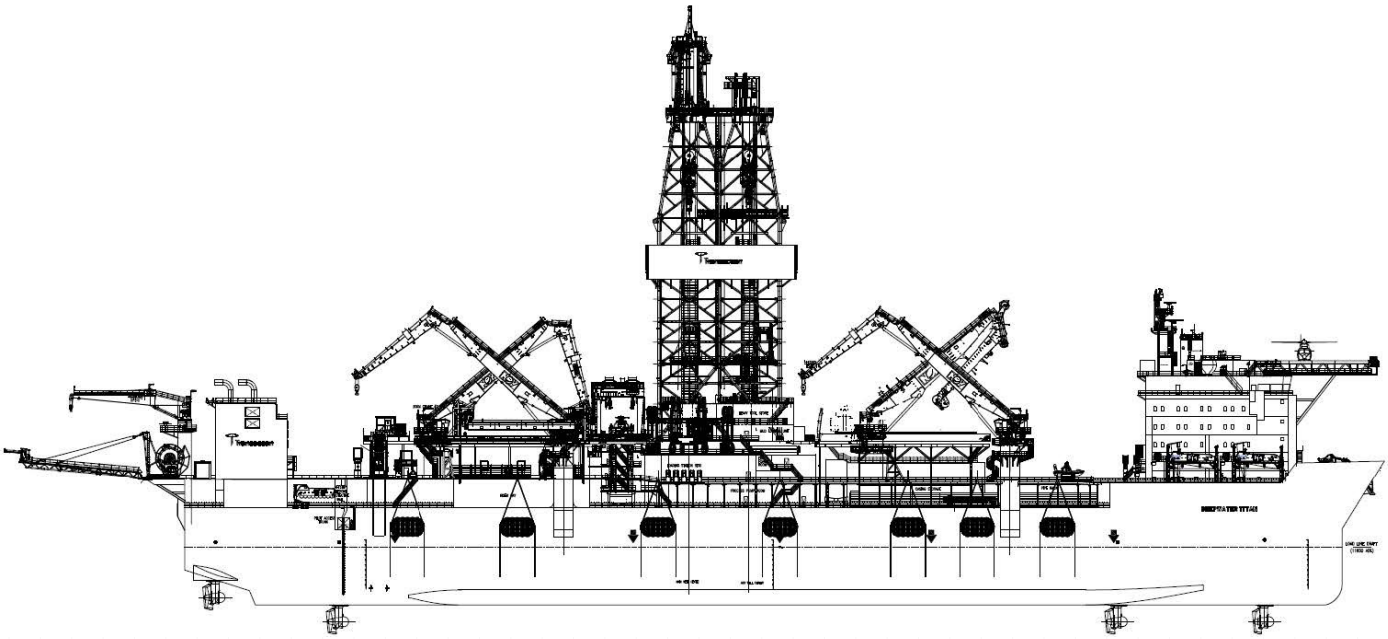
For additional information please contact the Transocean Marketing Department:

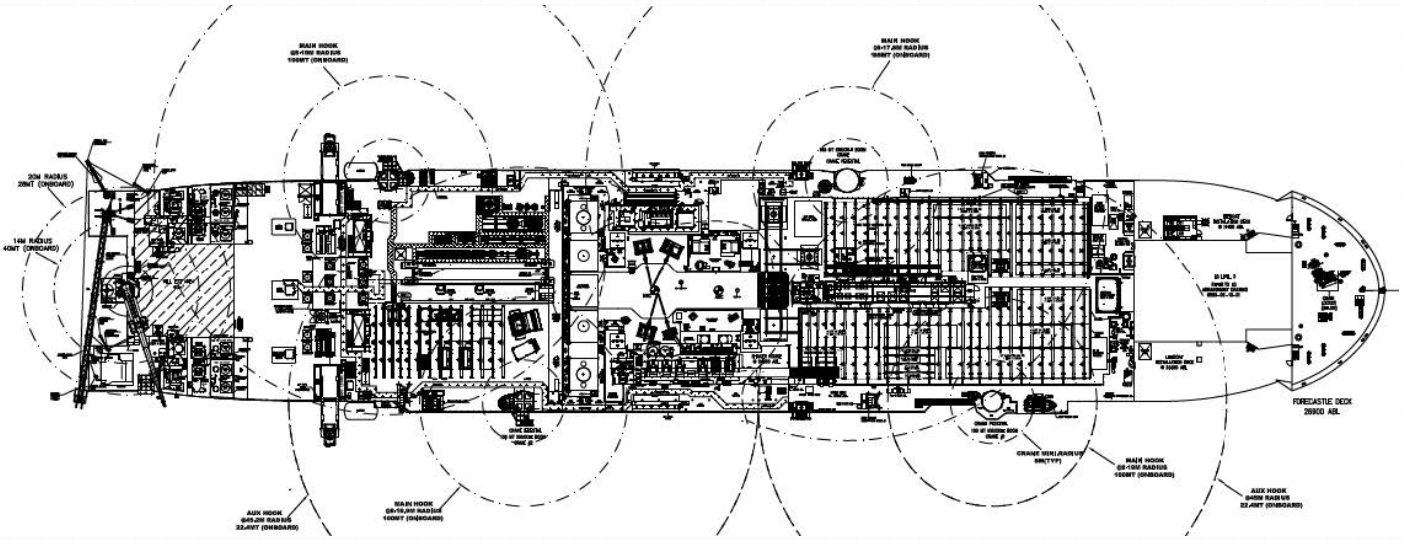
1414 Enclave Parkway, Houston, TX 77077, USA | Phone: + 1-713-232-7500 | Fax: + 1-713-232-7800 | marketing@deepwater.com | www.deepwater.com

Current as of: 12/14/2023

DEEPWATER TITAN

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP





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. See https://www.deepwater.com/patents for details.

Transocean

For additional information please contact the Transocean Marketing Department:

1414 Enclave Parkway, Houston, TX 77077, USA | Phone: + 1-713-232-7500 | Fax: + 1-713-232-7800 | marketing@deepwater.com | www.deepwater.com

Current as of: 12/14/2023