

Deepwater Pontus



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Ultra-Deepwater Dual-Activity Drillship

General Description

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| Design / Generation | DSME 12000 Ultra Deepwater Drillship |
| Constructing Shipyard | DSME |
| Year Entered Service / Significant Upgrades | 2017 |
| Classification | DNV #1A1, "Ship Shaped Drilling Unit", E0, DYNPOS-AUTRO, DRILL, CRANE, HELDK |
| Flag | Marshall Islands |
| Dimensions | 781 ft. LOA x 138 ft. beam x 62 ft. depth |
| Drafts | 39 ft. operating / 29 ft. transit |
| Accommodation | 200 persons |
| Displacement | 114,608 st operating |
| Variable Deck | 25,346 st operating / 20,938 st transit |
| Transit Speed | up to 12.5 knots |
| Maximum Water Depth | 12,000 ft. designed / 10,000 ft. outfitted |
| Maximum Drilling Depth | 40,000 ft. |

Drilling Equipment

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| Derrick | Dual dynamic derrick 210-ft clear internal working height with 78-ft x 46-ft base |
| Hookload Capacity | (Main & Aux) 2,800,000 lbs. static hook load. (4,000,000 lbs. combined) |
| Drawworks | Two (2) (Main & Aux) NOV AHD-1400 active heave compensated drawworks, 10,500 hp each with seven (7) x 1500 hp GE 690 VAC motors Both drawworks rated at 1,400-st (blocks reeved for 16 lines) with 2-1/8 inch OD lines |
| Compensator | (Main & Aux) Active Heave Compensation in drawworks. |
| Rotary Table | (Main & Aux) NOV RST-755 75-1/2 inch hydraulic rated at 1,250 st; 45,000 ft.-lbs. maximum continuous torque |
| Top Drive | (Main & Aux) NOV TDX-1250 electric rated to 1,250 st. with a continuous torque output of 105,000 ft.-lbs. (at 130 rpm) and two (2) x 1,340 hp. AC motors |
| Tubular Handling | Two (2) NOV ST-160 Iron Roughnecks for tubulars ranging from 3-1/2 inch to 10 inch. Racking systems for a tubular range of 4-1/2 inch to 14 inch with two (2) vertical pipe racking systems |
| Riser Feed | One (1) Riser Catwalk Machine, maximum capacity 45 mt and 90 ft. riser joint |
| Mud Pumps | Four (4) NOV 14-P-220 AC triplex pumps, each driven by two (2) x GE 1,100 hp 690VAC motors plus space for a fifth optional pump |
| HP Mud System | Rated for 7,500 psi |
| Solids Control | Six (6) Brandt Single VSM-MS triple deck shale shakers |

Power & Machinery

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| Main Power | Six (6) Hyundai HiMSEN 4-stroke 720 rpm diesel engines, each driving a 6,750 kw x 11KVAC generator |
| Emergency Power | One (1) 4-stroke 1,800 rpm diesel engine rated at 1,700 kW driving a 690 VAC generator |
| Power Distribution | Three (3) Siemens 11KV AC switchboards with AGP (Advanced Generator Protection) DC drilling drives include stored energy capability (Hybrid Power System) |

Storage Capacities

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| Fuel Oil | 50,318 bbls. |
| Liquid Mud | 8,859 bbls. Active / 10,556 bbls. Reserve |
| Base Oil | 5,346 bbls. |
| Brine | 10,064 bbls. |
| Drill Water | 18,870 bbls. |
| Potable Water | 8,177 bbls. |
| Bulk Material | (mud + cement) 30,017 cu. ft. |
| Sack Storage | 10,000 sacks |

BOP & Subsea Equipment

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| BOP | Two (2) x seven (7) ram 18-3/4 inch x 15,000 psi BOP's consisting of two (2) Cameron TL doubles and one (1) Cameron TL triple Separate test control system for the second BOP while the primary BOP is deployed |
| LMRP | Two (2) LMRP's, each including one (1) Cameron Dual DL 18-3/4 inch 10,000 psi annular preventer |
| BOP Handling | NOV BOP Moonpool Trolley rated at 600 mt with two (2) x 300 mt overhead service hoists and two (2) x15 mt service hoists |
| Marine Riser | Cameron Load King Riser 75 ft. x 21 inch OD, with H class connectors and 4.5 inch ID 15,000 psi choke and kill lines |
| Tensioners | 4,000 kips combined capacity using eight (8) NOV DWRT-250 dual riser tensioners rated at 250 kips each tensioner with a maximum effective 50 ft. stroke |
| Diverter | Cameron 21 inch x 500 psi with two (2) 16 inch flow lines |
| Tree Handling | One (1) 350 mt Xmas tree trolley and two (2) 150 mt skid cart |
| Moonpool | 82 ft. length x 31 ft. width |

Station Keeping / Propulsion System

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| Thrusters | Six (6) right angle geared thrusters, three forward and three aft, each rated at 5,500 kw, variable speed, fixed pitch, fully azimuthing, and underwater demountable type with advanced thruster capabilities (ADCAP) |
| DP System | DP3, Kongsberg Maritime K-Pos 3 (triple redundant) with backup DP system |

Cranes

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| Cranes | Three (3) 100 mt knuckle boom cranes rated at 25 mt. at a radius of 45 meters |
| AHC Subsea Crane | One (1) 165 mt active heave compensated knuckle boom crane for handling 84.3 mt subsea equipment to 12,000 ft WD |

Other Information

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| Helideck | Rated for Sikorsky S-61N and S-92 helicopters |
| Emissions | IMO tier III with SCR exhaust treatment and using low sulphur or ULSD diesel fuel (MGO) |

Patent Notice

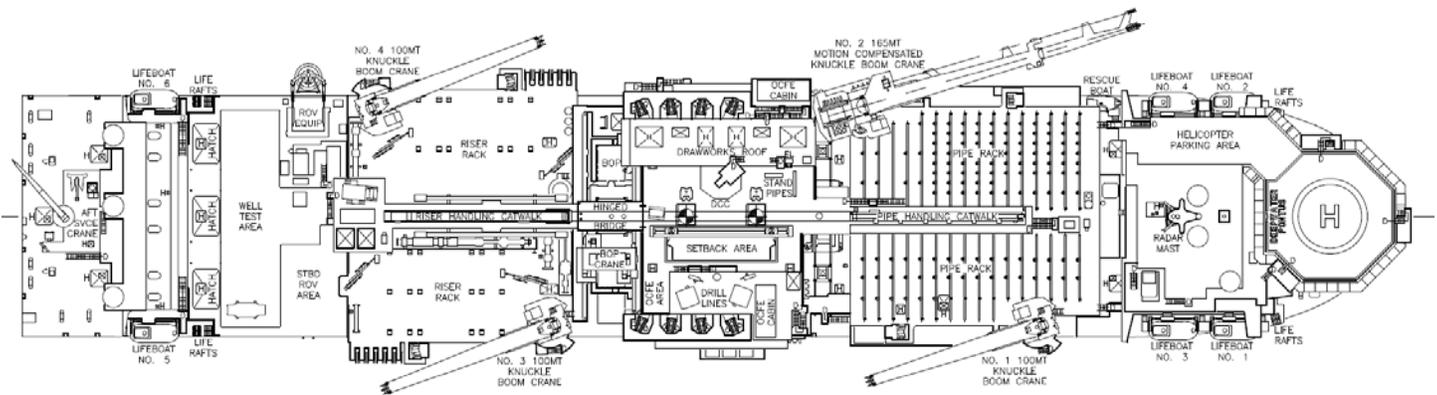
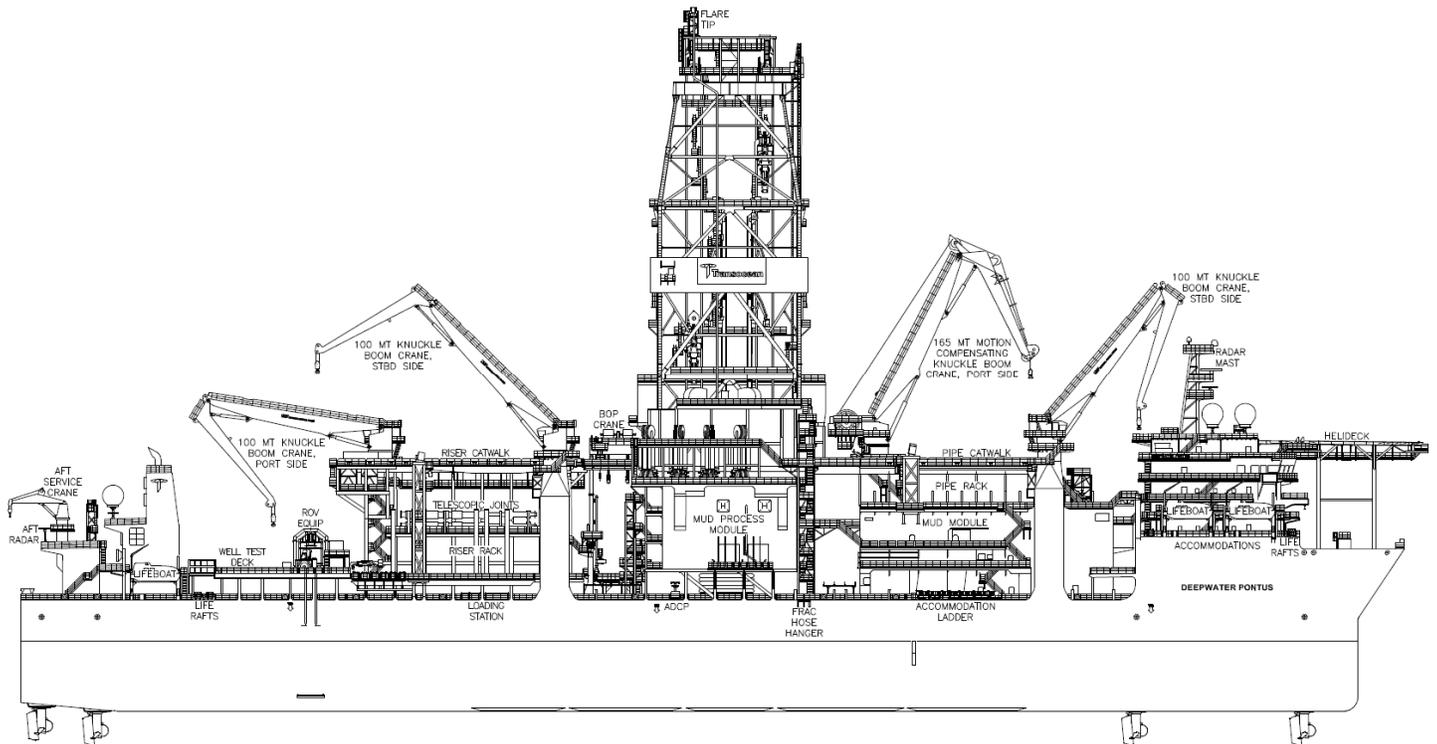
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Revision Date: 14-Jun-2018



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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