



For additional information

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GENERAL DESCRIPTION

Design / Generation	7th Generation Ultra Deepwater Semi-Submersible Drilling Unit
Constructing Shipyard	Yantai CIMC Raffles Shipyard, China
Year of Construction	2015 - 2016
Main Class and Service Notation:	DNV 1A1 Column Stabilised Drilling Unit
Equipment and System Notation:	DYNPOS AUTRO (DP3), POSMOOR ATA, CRANE, HELDK-SH, ECO, F-AM, DRILL, BWM-T
Flag	Liberia
Dimensions (Main Deck)	89.0 m x 81.0 m
Draft at load line	24 m Operation draft 18 m Survival draft
Accommodation max personnel	200
Displacement	69,802 t
Variable Deck Load	10,000 t
Transit Speed	Upto 10 knots
Maximum Water Depth	3,657.6 m
Maximum Drilling Depth	15,240 m

DRILLING EQUIPMENT

Dual Dynamic Hoisting Tower	NOV Dual Cylinder Hoisting Rig, comprised of two (2) x hoisting systems, each with its own set of five (5) hydraulic cylinders used to power the hoisting/lowering/heave compensation operation.
Hook load Capacity	Port and Starboard Tower; each has a hoisting capacity 1,400 st Port and Starboard Tower; each has a hoisting capacity 1,250 st in elevator
Compensator	680 t with 25 ft stroke, Active heave
Rotary Table	Two (2) NOV 75.5 in rotary with independent drive.
Top Drive	Two (2) NOV TDX 1,250 Top drives, with 1,250 st capacity.
Tubular Handling	NOV Dual Vertical Pipe Handling System with manipulator arms. NOV HR IV racking systems for tubular range 2 7/8 in to 14 in. Two (2) x Hydraulic Iron Roughnecks MPT-200 for tubular range 3.5 in to 9.75 in
Mud Pumps	Four (4) NOV 14-P-2200 Triplex Mud pumps, 7,500 psi
HP Mud System	7,500 psi, Mud system
Solids Control	Four (4) x NOV Brandt VSM 300 shale shakers. Two (2) NOV Desilters, two (2) NOV Brandt HS 3400 centrifuges, one (1) gumbo conveyer, two (2) degasser units and two (2) 11.4 m ³ trip tanks. Cargomaxx Cutting storage and transportation system integrated onboard below decks. Consisting of six (6) 100 m ³ cuttings holding tanks, with direct off-loading through hose loading stations.
Rotary Sock	The Rathole / Rotary Sock is designed for tubulars up to and including 22 in OD and can accommodate up to 27.5 m (depth)
MPD	Fully MPD ready for future installations inc Weatherford Microflux solution
Wireline	Dedicated wire line locations
ROV	Two (2) Dedicated ROV areas – Port and Starboard
Well testing	Dedicated well test area, with a 20,000 psi test line from Drill Floor. Two (2) Flare booms aft.

POWER SYSTEMS

Main Power	Eight (8) Wartsila type 12V 32 diesel engines, each 5,760 kW capacity. Total installed power is 46,080 kW
Emergency Power	Two (2) x dedicated main engines in two (2) x different engine rooms are classified as emergency generators.
Power Distribution	Siemens 11 kV AC Siemens main switchboard, DP switchboard, VFD Drilling / Anchor Winch switchboards with utility switchboards. Common Bus power distribution.

STORAGE CAPACITIES

Liquid Mud (Pits)	1,447.1 m ³
Liquid Mud (Pontoon)	1,694.0 m ³
Fuel Oil	5,346.0 m ³
Base Oil	653.0 m ³
Brine (Pits)	400.5 m ³
Brine (Pontoon)	574.8 m ³
Drill Water	4,811.8 m ³
Potable Water	1,256.4 m ³
Bulk bentonite/barite	510.0 m ³
Bulk Cement	504.0 m ³
Sack Store	9,168 sacks
Cuttings Wet	600 m ³

BOP & SUBSEA EQUIPMENT

BOP	Two (2) x Complete BOPs Shaffer NXT 18 3/4 in x 15,000 psi Seven (7) rams, 2 triple NXT Body assembly One (1) x DrillQuip DX-DW , H4 Connector
LMRP	One (1) LMRP complete
BOP Annulars	Two (2) x 10,000 psi Annular; Shaffer 18 3/4 in
BOP Handling	Overhead BOP cranes two (2) x 275 t and 650 t BOP trolley
Tree Handling	Overhead Xmas Tree cranes two (2) x 60 t and 120 t trolley; Independent BOP and Xmas Tree handling.
Marine Risers	3,048 m NOV-Shaffer FT-HB 21 in OD and ID 19.25 in 15/16 in wall thickness, 55 ft long, racked in doubles
Riser Tensioners	Six (6) x NOV N-Line, hydraulic cylinder riser tensioners mounted on skid system. Rated for 363 t each
Slip joint	Two (2) x NOV 55 ft slipjoint with Integrated Choke and Kill lines handling system
Diverter	Shaffer 21 1/4 in 500 WP psi diverter with 16 in flowline and 14 in overboard line
Moonpool	9 m x 44 m. Outfitted with tripsaver
Approvals	All meets API STD 53 Full EDS and EHBS
Intervention	BOP ROV intervention panel
Acoustic	BOP acoustic secondary control system

MARINE SYSTEMS

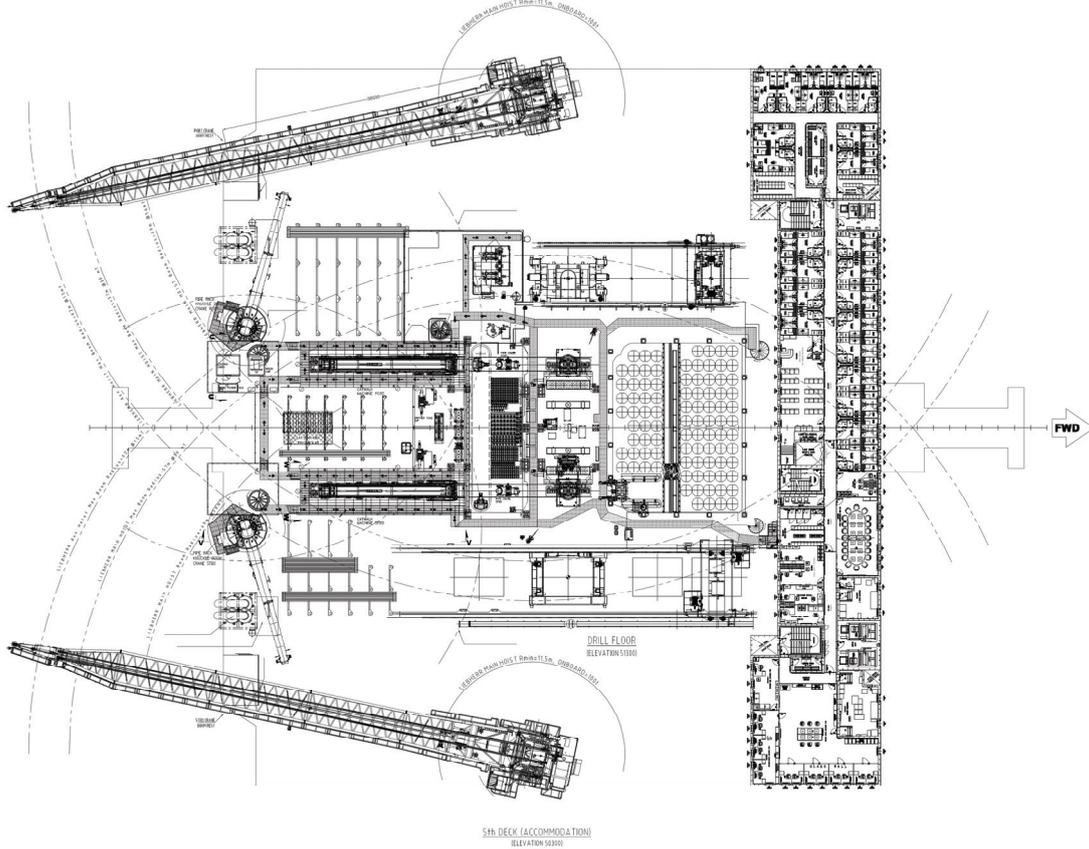
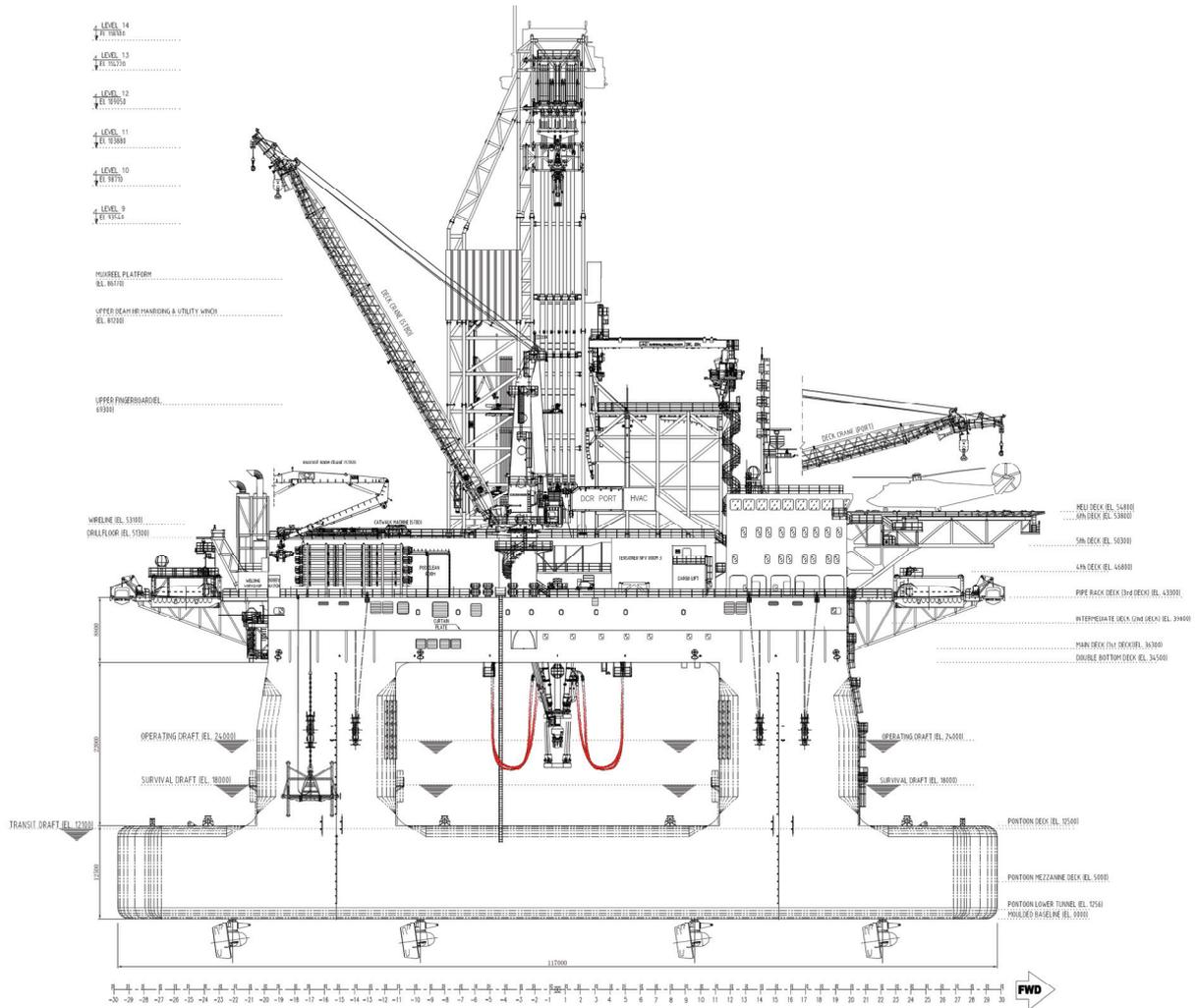
Thrusters	Eight (8) x 4.5 MW azimuth thrusters – inclined 8 degrees
Dynamic Positioning	DYNPOS AUTRO (DP3)
Mooring System	Four (4) x double drum winches with 600 m of 83 mm wire and eight (8) fairleads for connection to pre-set mooring system (POSMOR ATA)
Anchors	Two (2) x 18 t Stevpris type mooring anchors for Emergency mooring

CRANES

Deck Cranes	Two (2) x Liebherr 150 t deck cranes with 57 m boom
Pipe Handling Cranes	Two (2) x 14 t knuckle boom cranes
Cargo Handling	Two (2) 6 t cargo elevators and several forklifts to service storage and machinery areas on pipe rack deck and inside the deck box and pipe rack deck including engine rooms, mud pump room, cement unit room, workshops, sack storage, warehouse, galley stores etc.

OTHER INFORMATION

Helideck	EH101, Sikorsky S92A, MI-8 and Sikorsky S16N HCA Approvals
Life-saving Equipment	Four (4) x Fassmer lifeboats - total capacity of 400 persons (98 kg, 21 in seats) 16 x inflatable life raft - Capacity of 25 persons each. Two (2) x Fassmer fast rescue boats
Ballast Water Handling	IMO Approved Ballast water treatment plant
Others	Full Dual activity Capable of self-moored in up to 500 m water depth Vertical riser storage of 10,000 ft in doubles Dedicated forklift path on three (3) decks to optimize cargo handling and minimize crane lifts Integrated and remote operated Bulk hose loading stations Watermakers – self sufficient



These specifications are intended for general reference purposes only. As actual equipment and specifications may vary based upon modifications, contract, customer requirements and local regulations. All equipment shall be operated and maintained at all times, in compliance with standard operating manuals and procedures and within operational limits and rated capacity.