

Technical specification slide

General description		BOP & subsea equipment	
Design	7th Generation GustoMSC P10000	BOP	Two GE 18 ¾", 15,000 psi, 7 ram, dual annular, Super HD-H4, H2S service wellhead connector, API S53 compliant
Shipyard	Hyundai Heavy Industries (South Korea)	Marine Riser	Vetco HMF-H 21" OD riser (75 ft long joints), 4 ½" ID choke and kill lines (15,000 psi), 4" ID booster line (7,500 psi)
Year in-service	2014	BOP Handling	NOV gantry crane, 2 x 240 mt and 2 x 35 mt 4,000,000 lbs capacity, 8 x dual NOV SWRT-250-50 (wireline) rated at
Classification	DNV 1A1, Ship Shaped Drilling Unit, BIS, E0, DYNPOS AUTRO, DRILL, HELDK-SH, COAT-PSPC(B), CLEAN	Tensioners	250,000 lbs each, stroke length 12½ ft, 50 ft line travel
Flag	Singapore	Diverter	GE KFDS-CSO 72", 500 psi
Dimensions	752 ft (229 m) long x 118 ft (36 m) wide x 59 ft (18 m) deep	Tree Handling	Xmas moonpool trolley, 200 mt; Xmas gantry crane, 2 x 40 mt + 1 x 5 mt with guiding; Xmas gantry crane, 2 x 40 mt + 1 x 5 mt with guiding system; Overhull guiding system (Aux. well centre)
Drafts	36 ft (10.97 m) operating / 11 ft (3.35 m) survival / 31 ft (9.45 m) transit	Moonpool	73.5 ft (22.4 m) x 42 ft (12.8 m) at baseline
Accommodation	210 (22 single + 94 double)		
Displacement	70,052 mt operating / 64,026 transit		
Variable Deck	20,000 mt operating / 20,000 mt transit		
Transit Speed	12 knots (historical avg.)		
Maximum WDR	12,000 ft designed / 10,000 ft outfitted		
Drilling equipment		Power & machinery, station keeping / propulsion system, cranes etc.	
Derrick	Dual Derrick, NOV Type DDBN 1250, 210 ft, (48.77 m) high, with 80 ft (12.2 m) x 60 ft (10.7 m) base, 1,587 mt racking capacity	Main Power	6 x HHI Himsen 16/H32/40V, 6 x 8,000 kW
Hookload capacity	Main: 2,5 Mlbs (1,250 st), Aux: 1,5 Mlbs (750 st)	Emergency Power	1 x STX QSK60DMGE, 1,500 kW
Drawworks	Main: NOV Active Heave, 1,250 st, 9,000 hp, Aux: NOV Active Heave, 750 st, 5,750 hp	Power Distribution	6 x ABB 3,400 KVA, 4 x ABB 4,500 KVA, 12 x ABB 2,500 KVA
Compensator	Main: NOV Crown Mounted Compensator, Capacities: 1,250 st static, 500 st compensated, 38.5 st active, Stroke: 25 ft (7.62 m)	DP	Kongsberg Maritime triple redundant (DP3)
Rotary Table	Main: NOV RST-75.5", 1,250 st, Aux: NOV RST-60.5", 750 st	Thrusters	6 x 5.5 MW Rolls Royce UUC 455 fixed pitch fully azimuthing thrusters with monitoring system
Top Drive	Main: NOV TDX-1250, 1,250 st, 105,000 ft.-lbs continuous torque, Aux: NOV TDS-8SA, 750 st, 62,250 ft.-lbs continuous torque	Mooring System	x Rolls Royce CU92K3E anchor windlasses (Fwd), 2 x Rolls Royce Capstan CH150E (Aft)
Tubular Handling	NOV Dual Hydraracker (3 1/2" – 14"), 2 x NOV Catwalk machines and knuckle boom rig cranes with tubular gripper yoke (5 1/2" – 30")	Cranes (5)	NOV: 1x Knuckle boom, Active heave compensated, 165 mt 1x Knuckle boom, 100 mt; 2x Knuckle boom, 85 mt; Oriental: Single boom, 20 mt
Iron Roughneck	2 x NOV Hydratong MPT-200 w. 3 point jaw system (3 ½" - 9 ¾" Tubular)	MPD	Managed Pressure Drilling (MPD) ready
Mud Pumps	5 x NOV 14-P-220 triplex pumps	Riser storage	Below deck riser storage
HP Mud System	Rated for 7,500 psi	Nitrogen/Oxygen	Nitrogen and oxygen generator systems
Solids Control	8 x NOV VSM 300 shale shakers	Zero pollution	Westfalia zero pollution unit – minimizing waste to shore
		Lifeboats	4 x Norsafe JYN100