

# OCEAN GREATWHITE



**Sixth Generation  
Ultra-deepwater  
DP/ Moored Harsh  
Environment  
Semisubmersible**

GENERAL DESCRIPTION	
Design	Moss CS60E
Year Entered Service	2016
Classification	DnV, +A1, DYNPOS-AUTRO, HELDK-SH, BIS, E0, DYNPOS-ER, POSMOOR, CRANE, ISDS
Main Deck	315ft (96.13m) Long x 255ft (77.76m) Wide
Draft	77ft (23.5m) Drilling, 36.4ft (11.1m) Survival
Displacement	68,375MT
Variable Deck Load	7,500MT Drilling/Survival, 6,000MT Transit
Transit Speed	Up to 10 knots at Transit Draft
Water Depth	9,840ft (3,000m) - outfitted
Drilling Depth	35,000ft (10,670m)
Accommodation	180 people - 100 Single & 40 Double Rooms
Helideck	EH-101, Sikorsky S-61/92, CAP 437 (7 <sup>th</sup> Ed)

DRILLING EQUIPMENT	
Derrick	NOV SDBN Bottleneck, 210ft high with 50ft x 52ft base, hook load of 1,000 ST
Drawworks	NOV SSGD, 5,750hp
Compensator	NOV CMC-H-1000-25 with Passive and Active Heave Compensation 500ST @ 25ft stroke
Rotary Table	NOV RST 60 ½" hydraulic, 1,134MT
Top Drive	NOV TDX-1000, 1,000 ST, 2,000Hp, 91,000 ft-lbs at 115 rpm to 35,000 ft-lbs at 250 rpm
Tubular Handling	2 x NOV HR IV Rackers - 3 ½" - 14" OD 2 x NOV MPT Iron Roughneck - 3 ½" - 9 ¾" OD 1 x NOV MRS3 Powered Mousehole 18" ID
Fingerboard Capacity	DP - 26,775ft (210 Stds) 6 ⅝" to 5 ⅞" OD DP - 14,280ft (112 Stds) of 4" to 5 ⅞" OD DC - 2,550 ft (20 Stds) of 4 ¾" to 9 ½" OD CSG - 6,075 ft (45 Stds) of 5" to 14" OD
Mud Pumps	4 x NOV 14-P-220, 2,200hp, 7,500 psi
Shale Shakers	6 x NOV VSM Multisizers

CRANES	
Deck Cranes	2 x Seatrax S-108 with 200 ft (61m) Booms 100 MT at 42ft (13m)
Pipe Handling	1 x NOV Knuckle Boom - 12MT Pipe Gripper
Riser Gantry	1 x NOV Riser Gantry for 75ft Joints - 55MT

STORAGE CAPACITY		
Liquid Mud	15,051 bbls	2,393 m <sup>3</sup>
Base Oil	4,511 bbls	717 m <sup>3</sup>
Brine	4,184 bbls	665 m <sup>3</sup>
Bulk Barite/Gel	14,867 ft <sup>3</sup>	421 m <sup>3</sup>
Bulk Cement	15,891 ft <sup>3</sup>	421 m <sup>3</sup>
Sack Storage	5,000 sacks	5,000 sacks
Fuel	28,411 bbls	4,517 m <sup>3</sup>
Drill Water	12,674 bbls	2,015 m <sup>3</sup>
Potable Water	5,516 bbls	877 m <sup>3</sup>

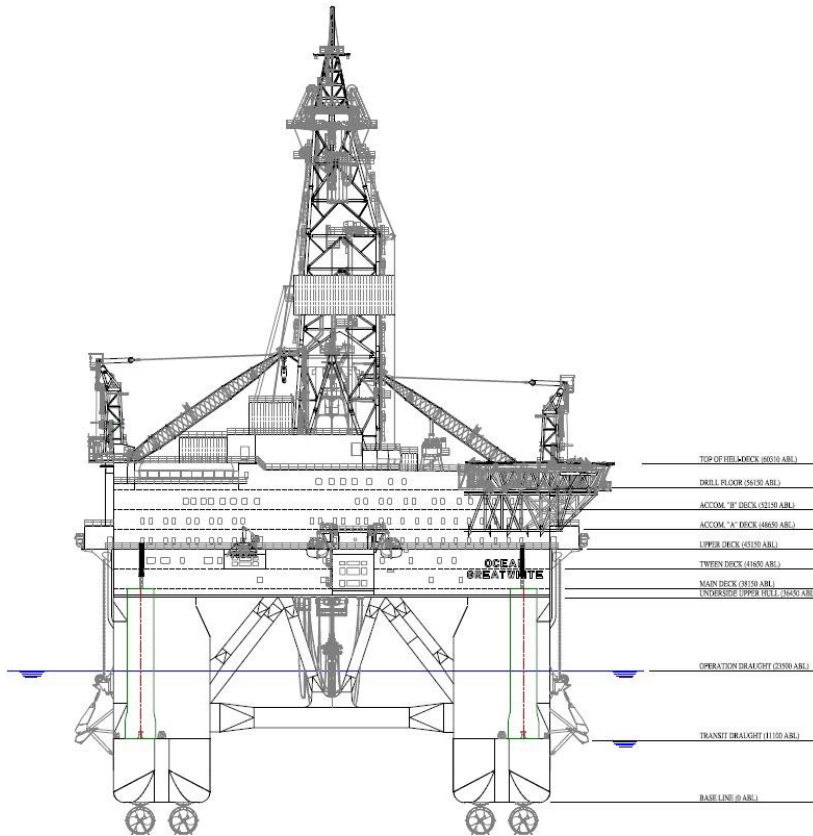
SUBSEA EQUIPMENT	
Diverter	NOV 21 ¼" 500 psi Diverter (CSO) with 1 x 18" flow line and 2 x 18" overboard diverter lines.
BOP Stack	1 x NOV Class 8 - 18 ¾" 15K BOPs (2A/6R) APIS53 compliant with DMAS System Modeling - Sim-Stack™ Service BOP Carrier has Trip-Saver Feature
C&K Manifold	3 1/16", 15,000 psi
Marine Riser	NOV FT-H 21", 75 ft long per joint Hand-Free Gooseneck System
Tensioners	16 x 225 Kip NOV wireline riser tensioners. Total capacity 3,600 kips - 50 ft of wire travel
Moonpool	95 ft x 29.5 ft (29.1m x 9m)
XT Carts	4 x 100 MT

POWER GENERATION	
Main Power	8 x Himsen diesel engines rated at 6,120kW

STATION KEEPING / PROPULSION SYSTEM	
Thrusters	8 x Thrustmaster, 4,800kW azimuth thrusters with fixed pitch variable speed propellers
DP System	Kongsberg K-POS, K-Chief, K-Safe, K-Thrust
Position Reference System	4 x DGPS (2 - C-Nav 3050, DGPS DPS 5D & 232) 2 x HIPAP, 2 x HAIN, 2 x ERA
Mooring Winches	8 x Rolls-Royce, 450 MT rated pull
Chain & Anchors	84mm NV R5 and Stevpris Mk6 18 MT

OTHER INFORMATION	
Triple Pit System	Segregated Mud system for simultaneously handling of 3 fluid types - WBM, NAF, Brine
Flare Booms	2 x 100ft (30.5m) with Water Spray System

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## PRINCIPAL DIMENSIONS

(ALL DIMENSIONS ARE MOULDED AND HEIGHTS ABOVE MOULDED BASELINE)

LENGTH OVERALL (NOT INCL. LIFEBOATS)	122.56 m
LENGTH OF DECK	96.13 m
BREADTH OF DECK	77.76 m
HEIGHT TO UNDERSIDE UPPER HULL	36.45 m
HEIGHT TO MAIN DECK	38.15 m
HEIGHT TO TWEEN DECK	41.65 m
HEIGHT TO UPPER DECK	45.15 m
HEIGHT TO DRILL FLOOR	56.15 m

LENGTH OF PONTOON	122.56 m
BREADTH OF PONTOON	17.20 m
DEPTH OF PONTOON	11.40 m
PONTOON CORNER RADIUS	1.90 m
PONTOON SPACING (C.L. to C.L.)	60.56 m

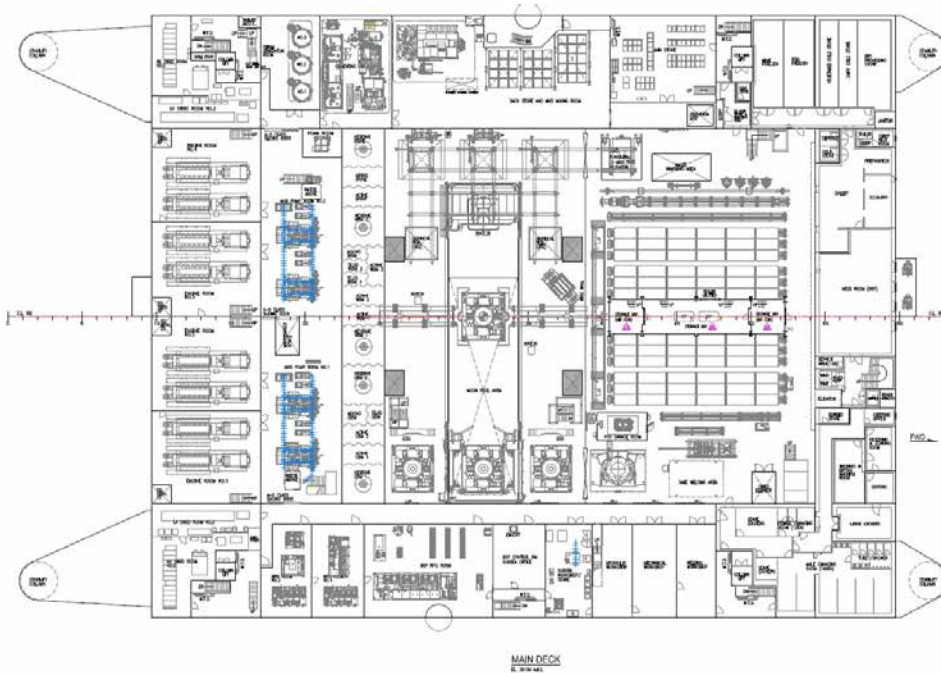
CORNER COLUMN (L x B)	12.80 x 17.20 m
CENTER COLUMN (L x B)	11.52 x 17.20 m
COLUMN CORNER RADIUS	2.50 m
COLUMN SPACING LONGITUDINAL	36.48 m
COLUMN SPACING TRANSVERSE	60.56 m

DESIGNED DRAUGHT AT OPERATION	23.50 m
DESIGNED DRAUGHT AT SURVIVAL	21.50 m
DESIGNED DRAUGHT AT TRANSIT	11.10 m
AIR GAP OPERATION DRAUGHT	12.95 m
AIR GAP SURVIVAL DRAUGHT	14.95 m

FLAG: MARSHALL ISLANDS

### CLASSIFICATION:

Det Norske Veritas, +1A1, "Column Stabilised Unit", Drilling Unit, DRILL, ISDS, DYNPOS-AUTRO, DYNPOS-ER, ED, HELDK-SH, CRANE, BIS, POSMOOR-ATA (Interim Class Certificate only)



MAIN DECK  
Elevation