

OCEAN BLACKHORNET



Ultra Deepwater Drillship

GENERAL DESCRIPTION

Design	Gusto P10,000 DW
Year Entered Service	2015
Classification	ABS, +A1, Drillship, Helidk, +AMS, +ACC, + DPS-3, SH-DLA, GP
Main Deck	757ft (230.73m) Long x 118ft (35.96m) Wide
Draft	36ft (11.0m) Operating
Displacement	70,459 MT Operating
Variable Deck Load	22,045 MT Operating
Transit Speed	Up to 12.0 knots
Water Depth	12,000ft (3,658m) - designed
Drilling Depth	40,000ft (12,192m)
Accommodation	210 people
Helideck	Sikorsky S-61 & S-92, CAP 437 compliant

DRILLING EQUIPMENT

Derrick	NOV Dual Bottleneck, 210 ft high with 80 ft x 60 ft base, gross capacity of 4,000 kips
Drawworks	Main: NOV/AHD 1250 rated for 2,500 kips Aux: NOV/AHD 750 rated for 1,500 kips
Compensator	Active Heave Drawworks rated for 1,700kips dynamic, 2,500kips static Passive Heave CMC (Main) rated for 1,000kips dynamic, 2,800kips static
Rotary Table	Main: NOV RST 75 ¾" hydraulic, 1,375T static Aux: NOV RST 60 ¾" hydraulic, 1,000T static
Top Drive	Main: NOV TDX-1250 Aux: NOV TDS-8SA
Tubular Handling	2 x NOV MPT 270 'Hydraulic Roughnecks' for tubular range 3 ½" to 9 ¾" 2 x NOV HR 'Hydraracker' IV-ER
Fingerboard Capacity	DP - 50,625 ft (375 Stds) 6 ¾" HWDP - 2,700 ft (20 Stds) of 6 ¾" OD BHA - 7,500 ft (44 Stds) of 4 ¾" to 9 ½" OD CSG - 10,395 ft (77 Stds) of 7" to 14" OD
Mud Pumps	5 x NOV 14-P-220, 2,200hp, 7,500 psi
Shale Shakers	6 x NOV VSM Multisizers

STORAGE CAPACITY

Liquid Mud	15,004 bbls	2,385 m ³
Base Oil	7,212 bbls	1,147 m ³
Brine	13,175 bbls	2,095 m ³
Bulk Barite/Gel	15,891 ft ³	450 m ³
Bulk Cement	15,891 ft ³	450 m ³
Sack Storage	6,000 sacks	6,000 sacks
Fuel	47,425 bbls	7,540 m ³
Drill Water	18,593 bbls	2,956 m ³
Potable Water	8,834 bbls	1,404 m ³

SUBSEA EQUIPMENT

Diverter	Vetco CSO 21-¼" 500 psi diverter with 1 x 20" flow line + 2 x 16" overboard diverter lines
BOP Stacks (2)	Hydril 18 ¾" 15,000 psi seven-ram preventer 2 x Hydril 18 ¾" 10,000 psi annular preventers APIS53 compliant
C&K Manifold	3 1/16", 15,000 psi
Marine Riser	Vetco HMF Class H 21", 75 ft long per joint
Tensioners	16 x 225 kips NOV wireline riser tensioners. Capacity 3,600 kips with 50 t of wire travel
Moonpool	73 ft x 32ft (22.25m x 9.75m)

CRANES

Main Cranes	2 x 85T knuckle-boom 1x 100T knuckle-boom 1x 165T AH compensation knuckle-boom
Overhead Crane	2x NOV 39.7T
Gantry Crane	1 x NOV 595T

POWER GENERATION

Main Power	6x Himsen diesel engines rated 4,500kW, each driving 5,375 kVA AC generators 2x Himsen diesel engines rated 9,000kW, each driving 10,875 kVA AC generators
Emergency Power	V-type diesel engine rated 1,900kW driving 1 x STX engine rated 1,500kW AC generator

STATION KEEPING / PROPULSION SYSTEM

Thrusters	6 x Thrustmaster, 5,000kW azimuth thrusters with fixed pitch variable speed propellers
DP System	Kongsberg K-POS

OTHER INFORMATION

Dual Activity	Yes
Managed Pressure Drilling	Fully integrated MPD System
Automation	NOV MMC & NOVOS Platforms

