

Ocean BlackHornet



GENERAL DESCRIPTION

Design	Gusto P10,000 DW
Year Entered Service	2015
Classification	ABS, +A1, Drillship, Helidk, +AMS, +ACCU, +CDS, + DPS-3, SH-DLA, GP
Dimensions	754 ft long x 118 ft wide x 59 ft deep
Draft	36 ft operating / 29 ft transit
Displacement	70,000T operating
Variable Deck	22,045T operating
Transit Speed	up to 12.5 knots
Water Depths	12,000 ft designed / 10,000 ft outfitted
Drilling Depth	40,000 ft

DRILLING EQUIPMENT

Derrick	NOV Dual Bottleneck, 210 ft high with 80 ft x 60 ft base, combined hook load capacity of 4,000 kips
Drawworks	(<u>Main</u>): NOV / AHD 1250, six AC electric motors, 9,000hp total, 1,250T with sixteen 2 1/8" drilling lines (<u>Aux</u>): NOV / AHD 750, five AC electric motors, 5,750hp total, 750T with fourteen 1 3/4" drilling lines
Compensator	Active Heave Compensating Drawworks
Rotary Table	(<u>Main</u>): NOV RST 75 1/2" hydraulic, 1,375T static (<u>Aux</u>): NOV RST 60 1/2" hydraulic, 1,000T static
Top Drive	(<u>Main</u>): NOV TDX-1250, 1,250T with 7,500 psi (<u>Aux</u>): NOV TDS-8SA. 750T with 7,500 psi
Tubular handling	2 x NOV MPT 'Hydraulic Roughneck' for tubular range 3 1/2" to 9 3/4" + 2 x NOV HR IV-ER
Mud Pumps	5 x NOV 14-P-220, 2,200hp, 7,500 psi

POWER EQUIPMENT

Main Power	6 x Himsen diesel engines rated 4,500kW, each driving 5,375 kVA AC generators 2 x Himsen V-type diesel engines rated 9,000kW, each driving 10,875 kVA AC generators
Emergency Power	V-type Cummins diesel engine rated 1,900kW driving 1 x STX engine rated 1,550kW AC generator



STORAGE CAPACITIES

Liquid Mud	15,204 bbls
Base Oil	7,209 bbls
Brine	13,175 bbls
Drill Water	18,593 bbls
Potable Water	8,834 bbls
Bulk Storage	16,315 ft ³ (barite + bentonite) + 15,891ft ³ (cement)
Sack Storage	6,000 sacks

CRANES

Knuckle-boom	1 x 100 ton + 2 x 85 ton knuckle-boom
AHC Subsea	165 ton Active Heave Compensation knuckle-boom

SUBSEA EQUIPMENT

Diverter	Vetco CSO 21 1/4" 500 psi diverter with 1 x 20" flow line + 2 x 16" overboard diverter lines
BOP Stacks (2)	Hydril 18 3/4" 15,000 psi seven-ram preventer 2 x Hydril 18 3/4" 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. Total capacity 3,600 kips with 50 ft of wire travel
Moonpool	73 ft x 42 ft

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
Accommodation	210 people
Helideck	Sikorsky S-61 & S-92, CAP 437 compliant