

# OCEAN BLACKLION



Ultra Deepwater Drillship

## GENERAL DESCRIPTION

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

## DRILLING EQUIPMENT

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

## STORAGE CAPACITY

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

## SUBSEA EQUIPMENT

<b>Diverter</b>	Vetco CSO 21-1/4" 500 psi diverter with 1 x 20" flow line + 2 x 16" overboard diverter lines
<b>BOP Stacks (2)</b>	Hydril 18 3/4" 15,000 psi seven-ram preventer 2 x Hydril 18 3/4" 10,000 psi annular preventers APIS53 compliant
<b>C&amp;K Manifold</b>	3 1/16", 15,000 psi
<b>Marine Riser</b>	Vetco HMF Class H 21", 75 ft long per joint
<b>Tensioners</b>	16 x 225 kips NOV wireline riser tensioners. Capacity 3,600 kips with 50 t of wire travel
<b>Moonpool</b>	73 ft x 32ft (22.25m x 9.75m)

## CRANES

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

## POWER GENERATION

<b>Main Power</b>	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
<b>Emergency Power</b>	V-type diesel engine rated 1,900kW driving 1 x STX engine rated 1,500kW AC generator

## STATION KEEPING / PROPULSION SYSTEM

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

## OTHER INFORMATION

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

## GENERAL ARRANGEMENT DIAMOND DEEP WATER DRILLSHIP (HHI-GUSTO P-10000)

