

# Ocean BlackLion



## GENERAL DESCRIPTION

<b>Design</b> .....	Gusto P10,000 DW
<b>Year Entered Service</b> .....	2015
<b>Classification</b> .....	ABS, +A1, Drillship, Helidk, +AMS, +ACCU, +CDS, + DPS-3, SH-DLA, GP
<b>Dimensions</b> .....	757 ft long x 118 ft wide x 60 ft. deep
<b>Draft</b> .....	36 ft operating / 32 ft. transit
<b>Displacement</b> .....	70,333T operating
<b>Variable Deck</b> .....	22,045T operating
<b>Transit Speed</b> .....	up to 12.5 knots
<b>Water Depths</b> .....	12,000 ft designed / 10,000 ft outfitted
<b>Drilling Depth</b> .....	40,000 ft.

## DRILLING EQUIPMENT

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

## POWER EQUIPMENT

<b>Main Power</b>	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
<b>Emergency Power</b>	V-type Cummins diesel engine rated 1,900kW driving 1 x STX engine rated 1,550kW AC generator



## STORAGE CAPACITIES

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

## CRANES

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

## 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. Total capacity 3,600 kips with 50 ft of wire travel
<b>Moonpool</b>	73 ft. x 42 ft.

## 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>Accommodation</b>	210 people
<b>Helideck</b>	Sikorsky S-61 & S-92, CAP 437 compliant