

# Ocean BlackHawk



## GENERAL DESCRIPTION

|                                   |   |
|-----------------------------------|---|
| <b>Design</b> .....               | Gusto P10,000 DW  |
| <b>Year Entered Service</b> ..... | 2014  |
| <b>Classification</b> .....       | ABS, +A1, Drillship, Helidck, +AMS, +ACCU, +CDS, +DPS-3, SH-DLA, GP |
| <b>Dimensions</b> .....           | 757 ft long x 118 ft wide x 59 ft deep                              |
| <b>Draft</b> .....                | 36 ft operating and transit   |
| <b>Displacement</b> .....         | 70,333T operating   |
| <b>Variable Deck</b> .....        | 34,896T 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<br><br>( <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<br>( <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<br>( <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 4,300kW, each driving 5,375 kVA AC generators<br><br>2 x Himsen V-type diesel engines rated 8,700kW, 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 1500kWAC 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> .....  | 16,513 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<br><br>2 x Hydril 18 3/4" 10,000 psi annular preventers<br><br>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 |

