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Deepwater Horizon	
The DEEPWATER HORIZON is a Reading & Bates Falcon RBS8D design semi-submersible drilling unit capable of operating in harsh environments and water depths up to 8,000 ft (upgradeable to 10,000 ft) using 18" in 15,000 psi BOP and 21" OD marine riser.	
<b>Rig Type</b>	5th Generation Deepwater
<b>Design</b>	Reading & Bates Falcon RBS-8D
<b>Builder</b>	Hyundai Heavy Industries Shipyard, Ulsan, South Korea
<b>Year Built</b>	2001
	
<b>Classification</b>	ABS
<b>Flag</b>	Marshall Islands
<b>Accommodation</b>	130 berths
<b>Helideck</b>	Rated for S61-N helicopter
<b>Moonpool</b>	21 ft x 93 ft
<b>Station Keeping</b>	Dynamically Positioned
<b>Max Drill Depth</b>	30,000 ft / 9,144 m
<b>Max Water Depth</b>	8,000 ft / 2,438 m
<b>Operating Conditions</b>	Significant Wave: 29 ft; @ 10.1 sec; Wind: 60 knots; Current: 3.5 knots
<b>Storm Conditions</b>	Significant Wave: 41 ft @ 15 sec; Wind: 103 knots; Current: 3.5 knots

## Technical Dimensions

<b>Length</b>	396 ft	121 m
<b>Breadth</b>	256 ft	78 m
<b>Depth</b>	136 ft	41 m
<b>Operating Draft</b>	76 ft	23 m
<b>Ocean Transit Draft</b>	29 ft	9 m
<b>VDL - Operating</b>	8,816 st	8,000 mt

## Capacities

<b>Liquid Mud</b>	4,435 bbls	24,900 cu ft	705 cu m
<b>Drill Water</b>	13,076 bbls	73,415 cu ft	2,078 cu m
<b>Potable Water</b>	7,456 bbls	41,862 cu ft	1,185 cu m
<b>Fuel Oil</b>	27,855 bbls	156,392 cu ft	4,426 cu m
<b>Bulk Mud</b>		13,625 cu ft	386 cu m
<b>Bulk Cement</b>		8,175 cu ft	231 cu m
<b>Sack Material</b>	10,000 sacks		

## Drilling Equipment

<b>Derrick</b>	Dreco 242 ft x 48 ft x 48 ft, 2000 kips GNC
<b>Drawworks</b>	Hitec active heave compensating drawworks, 6900 hp rated input power continuous, 2in drilling line

<b>Motion Compensator</b>	Hitec ASA Active Heave Compensator, 13.7 ft stroke, 500 st operating, 1000 st locked
<b>Top Drive</b>	Varco TDS-8S, 750 st, 1150 hp with PH-100 pipe handler
<b>Rotary</b>	Varco RST, 60.5in opening, 1000 st
<b>Pipe Handling</b>	2 x Varco PRS-6i Pipe Packers; Varco AR-3200 Iron Roughneck
<b>Mud Pumps</b>	4 x Continental Emsco FC-2200, 7500 psi
<b>Shale Shakers</b>	7 x Brandt LCM-2D CS linear motion / cascading shakers
<b>Desander</b>	2 x Brandt SRS-3 with 6 x 12in cones
<b>Desilter</b>	Brandt LCM-2D/LMC with 40 x 4in cones over one linear motion shaker, 2400 gpm
<b>Mud Cleaner</b>	See Desilter
<b>BOP</b>	2 x Cameron Type TL 18 $\frac{3}{4}$ in 15K double preventers; 1 x Cameron Type TL 18 $\frac{3}{4}$ in 15K single preventer; 1 x Cameron DWHC 18 $\frac{3}{4}$ in 15K wellhead connector
<b>LMRP</b>	2 x Cameron DL 18 $\frac{3}{4}$ in 10K annular; 1 x Cameron HC 18 $\frac{3}{4}$ in 10K connector
<b>Diverter</b>	Hydril 60 with 21 $\frac{1}{2}$ in max bore size, 500 psi WP and 18in flowline and two outlets
<b>Control System</b>	Cameron Multiplex Control System
<b>Riser</b>	Vetco HMF-Class H 21in OD riser; 90 ft long joints with C&K and booster and hydraulic supply lines
<b>Riser Tensioners</b>	6 x Hydralift Inline, 50f t stroke, 800 kips each
<b>Guideline Tensioners</b>	N/A
<b>Podline Tensioners</b>	N/A
<b>Choke &amp; Kill</b>	Stewart & Stevenson 3-1/16in, 15K, with 2 x adjustable chokes and 2 x hydraulic power chokes
<b>Cementing</b>	Halliburton (third party equipment)

**Machinery**

<b>Main Power</b>	6 x Wartsila 18V32 rated 9775 hp each, driving 6 x ABB AMG 0900xU10 7000 kW 11,000 volts AC generators
<b>Emergency Power</b>	1 x Caterpillar 3408 DITA driving 1 x Caterpillar SR4 370 kW 480 volts AC generator
<b>Power Distribution</b>	8 x ABB Sami-Megastar Thruster Drives, 5.5 MW and 6 x GE Drilling Drive Lineups 600 V 12 MW
<b>Deck Cranes</b>	2 x Liebherr, 150 ft boom, 80 mt @ 35 ft
<b>Thrusters</b>	8 x Kamewa rated 7375 hp each, fixed propeller, full 360 deg azimuth
<b>Propulsion</b>	See Thrusters

**Mooring Equipment**

<b>Winches</b>	N/A
<b>Wire/Chain</b>	N/A
<b>Anchors</b>	N/A

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