

# DHIRUBHAI DEEPWATER KG2

## ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



### For additional information please contact:

Transocean  
Marketing Department  
4 Greenway Plaza  
Houston, TX 77046, USA  
Phone: + 1-713-232-7500  
Fax: + 1-713-232-7880  
[marketing@deepwater.com](mailto:marketing@deepwater.com)  
[www.deepwater.com](http://www.deepwater.com)

### General Description

<b>Design / Generation</b>	Samsung 12000 double hull 6th generation DP Drillship
<b>Constructing Shipyard</b>	Samsung Heavy Industries Geoje, South Korea
<b>Year Entered Service / Significant Upgrades</b>	2010
<b>Classification</b>	ABS+A1(E), AMS, ACCU, DPS-3, NBLES,SH-DLA
<b>Flag</b>	Marshall Islands
<b>Dimensions</b>	748 ft. long x 137 ft. wide x 62 ft. deep
<b>Drafts</b>	39 ft. operating / 28 ft. transit
<b>Accommodation</b>	180 persons
<b>Displacement</b>	96,000 mt operating
<b>Variable Deck</b>	22,046 st operating / 18,188 st transit
<b>Transit Speed</b>	up to 12 knots
<b>Maximum Water Depth</b>	12,000 ft. designed / 12,000 ft. outfitted
<b>Maximum Drilling Depth</b>	35,000 ft

### Drilling Equipment

<b>Derrick</b>	NOV dual dynamic Derrick, size 200 ft. high, with 80ft. long, 60 ft. wide base.
<b>Hookload Capacity</b>	2,000,000 lbs. static load capacity
<b>Drawworks</b>	NOV SSGD 1000-5750 5,750 hp driven by Baylor CM 628 motors rated at 1150 hp each with a maximum pull of 907 mt with 14 inch lines.
<b>Compensator</b>	NOV Shaffer CMC/1000/2000-25 active heave compensation with a 25 ft. stroke and 2,000 kips static load.
<b>Rotary Table</b>	Varco BJ RST 60-1/2 inch hydraulic rotary rated to 1,000 tons.
<b>Top Drive</b>	NOV HPS 100002E-AC-KT top drive rated to 1,000 tons driven by 2 x GE AC motors rated at 1,150 hp. And a maximum continuous torque rating of 78,450 ft.-lbs.
<b>Tubular Handling</b>	Hydratong MPT TE-1190 Iron Roughneck. 2 x Hydrarackers model HR IV, capable of handling stands of tubulars from 3-1/2 inch to 13-5/8 inch, and singles from 3-1/2 inch to 20 inch
<b>Riser Feed</b>	NOV RS45-90HS riser handling machine for handling 90 ft. joints of riser complete with tailing arm
<b>Mud Pumps</b>	4 x National Model 14-P-220 triplex pumps, each driven by 2 x NOV AC traction motors rated to 1,350 hp each
<b>HP Mud System</b>	Rated for 7,500 psi
<b>Solids Control</b>	6 x Axiom AX-1 shale shakers

### Power & Machinery

<b>Main Power</b>	6 x Wartsila W16V32 diesel engines rated at 7,200 kW each driving 1 X ABB/AMG 7,290 kW generator.
<b>Emergency Power</b>	1 x STX Cummins Marine diesel engine rated to 1,900 kW driving 1 x Stamford PM734E1 1,350 kW at 1,800 rpm generator.
<b>Power Distribution</b>	ABB generator protection.

### Storage Capacities

<b>Fuel Oil</b>	47,607 bbl
<b>Liquid Mud</b>	6,000 bbls. Active / 6,000 bbls. Reserve
<b>Base Oil</b>	5,031 bbl
<b>Brine</b>	5,800 bbl
<b>Drill Water</b>	18,064 bbl
<b>Potable Water</b>	6,667 bbl
<b>Bulk Material</b>	(mud + cement) 31,384 cu.ft.
<b>Sack Storage</b>	10,000 sacks

### BOP & Subsea Equipment

<b>BOP Rams</b>	2 x Shaffer NXT 18-3/4 inch 15,000 psi triple ram preventers (6 x rams total).
<b>BOP Annulars</b>	2 x Shaffer 18-3/4 inch 10,000 psi annular preventers.
<b>BOP Handling</b>	1 x NOV BOP Trolley rated at 420 tons and 1 x NOV BOP gantry crane with dual lifting hoists.
<b>Marine Riser</b>	Shaffer Class H FT-H 21 inch marine riser with a length of 90 ft. and 15,000 psi 4-1/2 inch choke and kill lines.
<b>Tensioners</b>	16 x NOV Hydralift tensioners rated to 200 kips with a stroke of 12.5 ft.
<b>Diverter</b>	Shaffer CSO diverter with 21-1/4 inch bore and rated to 500 psi. With 18 inch flow lines.
<b>Tree Handling</b>	2 x Xmas tree trolley rated at 120 tons.
<b>Moonpool</b>	84 ft. length x 41 ft. width

### Station Keeping / Propulsion System

<b>Thrusters</b>	6 x Rolls Royce Aquamaster thrusters fixed pitch azimuthing and removable in water.
<b>DP System</b>	Kongsberg-Simrad system for DP-3 operations. DGPS Seatex DPS-132 / DPS-200 / Veripos / Dual HiPAP .

### Cranes

<b>Cranes</b>	4 x National electro-Hydraulic cranes with 140 ft. booms and a rating of 85 mt at 59 ft. radius.
---------------	--------------------------------------------------------------------------------------------------

### Other Information

<b>Helideck</b>	Rated for Chinook BV 234 helicopters. 89ft diameter.
<b>Other</b>	ODS Riser Hang Off system (Trip saver) with riser hang off joint and riser gimbal adaptor. Designed to handle 2,000,000 lbs. load. Permits riser and BOP hang off in the moon pool with the ability to skid the BOP and riser to the forward end of the moon pool allowing main well operations while the BOP is suspended.

Offline drill pipe, BHA, and casing stand building capacity up to 13 5/8 inch OD casing using 28 meter mouse hole capable of handling 3-1/2 inch to 20 inch tubulars.

Revision Date: 26 June 2014

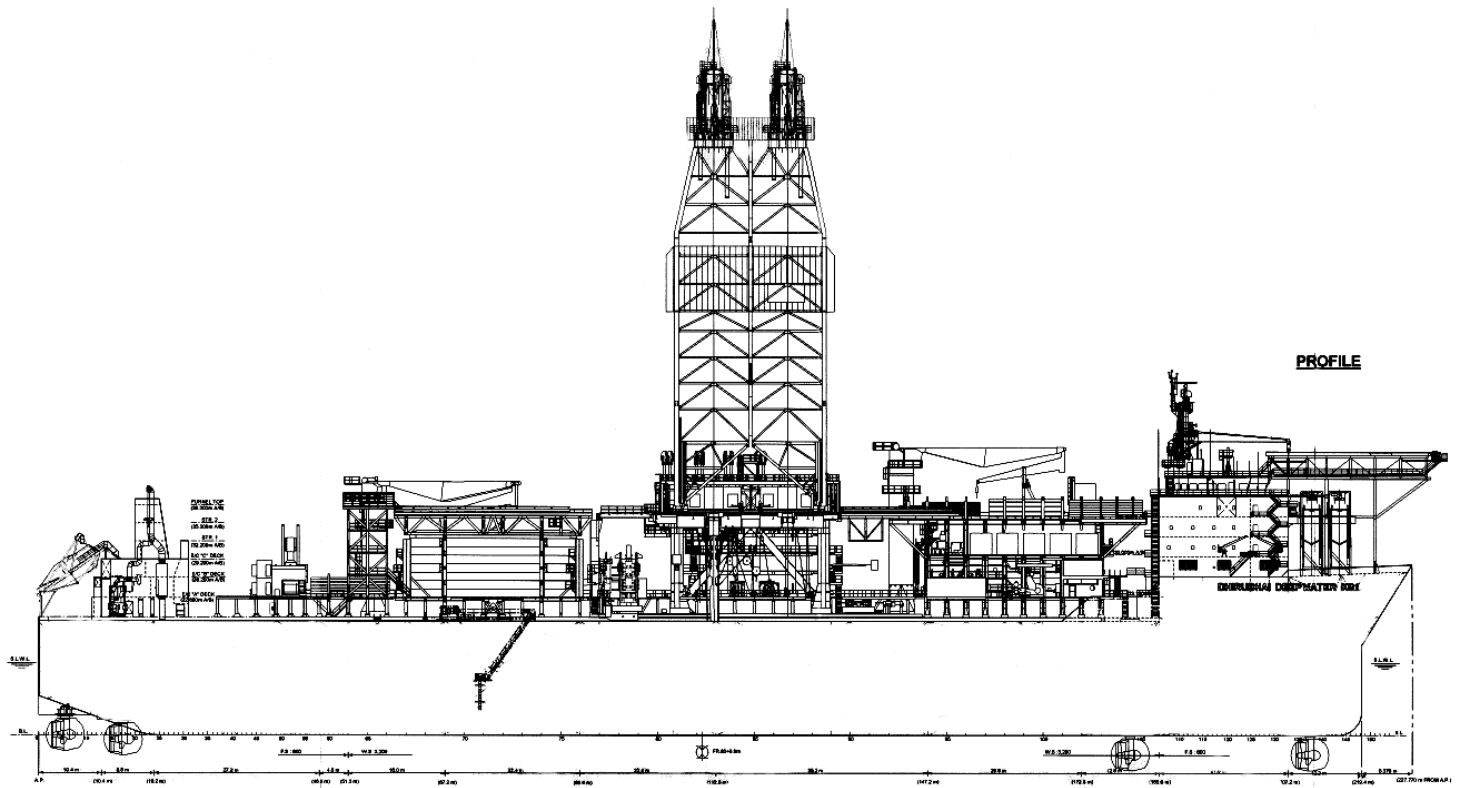


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

Patent Notice: This rig, its systems, components, and/or equipment in use on this rig, may be protected by one or more US and/or foreign patents.

# DHIRUBHAI DEEPWATER KG2

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



## BOUNDLESS

Revision Date: 26 June 2014

SERVICE FOCUSED  
DATA DRIVEN  
PERFORMANCE ORIENTED



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

Patent Notice: This rig, its systems, components, and/or equipment in use on this rig, may be protected by one or more US and/or foreign patents.