

OCEAN RIG APOLLO

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
www.deepwater.com

General Description

Design / Generation	Samsung 12000
Constructing Shipyard	Samsung Heavy Industries, South Korea
Year Entered Service / Significant Upgrades	2015
Classification	ABS +A1 Drillship E-circle, +AMS +CDS +ACCU, +DPS-3 (RRDA, UWILD, OHCM, CRC, BWT, ENVIRO-OS, RW, DLA, GP)
Flag	Marshall Islands
Dimensions	748 ft. x 137.8 ft. beam x 62.3 ft. depth
Drafts	37.7 ft operating / 37.7 ft survival / 27.9 ft transit
Accommodation	215 persons
Displacement	96,000 mt operating / 66,500 mt transit
Variable Deck	20,000 mt operating / 20,000 mt survival / 16,500 mt transit
Transit Speed	up to 12 knots
Maximum Water Depth	12,000 ft designed / 9,840 ft outfitted
Maximum Drilling Depth	40,000 ft

Drilling Equipment

Derrick	Dual derrick 210-ft (Main) NOV Type DDBN-1250 (Aux) NOV Type DDBN-1 000
Hookload Capacity	(Main) 1,250 st. 16 lines. (Aux) 1,000 st. 14 lines
Drawworks	(Main) NOV SSGD-1250-6900hp (Aux) NOV SSGD-1000-5750hp
Compensator	(Main) NOV CMC-E (Aux) NOV CMC
Rotary Table	(Main) NOV RST-755 75-1/2 inch hydraulic driven at 1,375 st; 45,000 ft.-lbs. maximum generated torque (Aux) NOV RST-605 60-1/2 inch false rotary table rated at 1,000 st
Top Drive	2 x NOVTDX 1250
Tubular Handling	2 x NOV Hydraracker IV pipe handlers, 2 x NOV Multi Purpose Tong (MPT 200) Iron Roughnecks with TF-975 tool frame, Fwd and aft catwalk machines
Mud Pumps	5 x HP Triplex mud pumps NOV-14P-220, 2200hp, 7500psi
Solids Control	6 x VSM 300 shale shakers

Power & Machinery

Main Power	6 x Wartsila 16/32 LowNox diesel engines, 7290 kW each total 43,740 kW 6 x ABB AMG 900 LSE generators, 7000 kW each, total 42,000 kW
Emergency Power	1 x STX Cummins / QSK60DMGE diesel engine rated 2,547 kW, driving 1 x Newage / PM734E1 1,350 kW generator.

Storage Capacities

Fuel Oil	53,770 bbl
Liquid Mud	6,430 bbl active / 9,440 bbl reserve
Base Oil	4,680 bbl
Brine	4,710 bbl
Drill Water	15,200 bbl
Potable Water	8,120 bbl
Bulk Material	(mud + cement) 31,920 cu. ft.
Sack Storage	8 x 19 x 4 m

BOP & Subsea Equipment

BOP	NOV Shaffer 7 ram 18/ 3/4" NXT BOP. 15,000psi
Wellhead Connector	Vetco Super HD H4 DWD type
Annulars	2 x NOV Shaffer 10,000psi
Marine Riser	NOV FT-HB 21" OD Flanged. With 4 1/2" ID K/C lines, 4" ID booster line and 2ea conduit lines
Tensioners	8 x dual (16ea) NOV / Dual WRTS, 102 mt / 1,632 mt (3,600 kips)
Diverter	NOV Shaffer 21-500-75 EXT
BOP Control	NOV 112-Line 5th Generation MUX Pod
Moonpool	25.6 x 12.48 m

Station Keeping / Propulsion System

Thrusters	6 x Rolls Royce UUC 455 azimuth thrusters
DP System	DP Class 3 Kongsberg / ICMS / K-POS

Cranes

Cranes	(Fwd) 2 x Knuckle Boom Crane 85mt, type OC3932KE (Aft) 2 x NOV. Knuckle Boom Crane 100mt, type OC4000KE
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Other Information

Helideck	D 22.2m, 12.8mt load capacity, rated for Sikorsky S-92 helicopters
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BOUNDLESS

Revision Date: 05 December 2018



**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.