

# OCEAN RIG CORCOVADO

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



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## General Description

<b>Design / Generation</b>	Enhanced Samsung 10000
<b>Constructing Shipyard</b>	Samsung Heavy Industries, South Korea
<b>Year Entered Service / Significant Upgrades</b>	2011
<b>Classification</b>	ABS +A1 Drilling Unit E-circle, +AMS +ACCU +DPS-3 +CDS MPD-Ready (RRDA, UWILD, CRC, SH-DLA, NBLES, RW)
<b>Flag</b>	Marshall Islands
<b>Dimensions</b>	748 ft. x 137.8 ft. beam x 62.3 ft. depth
<b>Drafts</b>	37.7 ft operating / 37.7 ft survival / 27.9 ft transit
<b>Accommodation</b>	205 persons
<b>Displacement</b>	96,000 mt operating / 66,500 mt transit
<b>Variable Deck</b>	20,000 mt operating / 20,000 mt survival / 16,500 mt transit
<b>Transit Speed</b>	up to 12 knots
<b>Maximum Water Depth</b>	10,000 ft designed / 10,000 ft outfitted
<b>Maximum Drilling Depth</b>	35,000 ft

## Drilling Equipment

<b>Derrick</b>	NOV Beam Leg Dual Dynamic Bottleneck Type, 200 x 60 x 80ft
<b>Hookload Capacity</b>	(Main) 1,000 st (Aux) 1,000 st
<b>Drawworks</b>	2 x NOV SSGD-1000-5750hp
<b>Compensator</b>	2 x NOV CMC, Crown mounted with active heave compensation. Static 907 mt, compensating 454 mt, 25 ft stroke
<b>Rotary Table</b>	(Main) NOV RST 605 hydraulic 60-1/2" (Aux) NOV RST 605 60-1/2 inch false rotary table
<b>Top Drive</b>	2 x NOV HPS-03 1000 AC KT RD
<b>Tubular Handling</b>	2 x NOV pipe handlers, 2x NOV MPT Iron Roughnecks with TF-975 tool frame, Fwd and aft catwalk machines
<b>Mud Pumps</b>	5 x HP Triplex mud pumps NOV-14P-220, 2200hp, 7500psi
<b>Solids Control</b>	6 x VSM 300 shale shakers

## Power & Machinery

<b>Main Power</b>	6 x STX-MAN 16V32/40 diesel engines, rated 8,000 kW each 6 x ABB AMG 900 LSE generators, rated 7,000 kW each
<b>Emergency Power</b>	1 x STX Cummins / QSK60DMGE diesel engine rated 2,547 kW, driving 1 x Newage / PM734E1 1,350 kW generator.

## Storage Capacities

<b>Fuel Oil</b>	53,770 bbl
<b>Liquid Mud</b>	6,460 bbl active / 6,400 bbl reserve
<b>Base Oil</b>	3,130 bbl
<b>Brine</b>	3,130 bbl
<b>Drill Water</b>	18,030 bbl
<b>Potable Water</b>	8,820 bbl
<b>Bulk Material</b>	(mud + cement) 33,050 cu. ft.
<b>Sack Storage</b>	8 x 19 x 4 m

## BOP & Subsea Equipment

<b>BOP</b>	NOV Shaffer 6 ram 18/ 3/4" NXT BOP. 15,000psi
<b>Wellhead Connector</b>	Vetco Super HD H4
<b>Annulars</b>	2 x NOV Shaffer 10,000psi
<b>Marine Riser</b>	NOV Shaffer FT-H 21" OD Flanged. With 4 1/2" ID K/C lines, 4" ID booster line and 2ea conduit lines
<b>Tensioners</b>	8 x dual (16ea) NOV DWRT 91 mt each
<b>Diverter</b>	NOV Shaffer 21 1/4" 500psi
<b>BOP Control</b>	NOV 112-Line 5th Generation MUX Pod
<b>Moonpool</b>	25.6 m x 12.48 m

## Station Keeping / Propulsion System

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

## Cranes

<b>Cranes</b>	4 x NOV OC3932KCE Knuckle Boom Crane 85 mt
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## Other Information

<b>Helideck</b>	27.2m x 27.2m, 21 mt load capacity, rated for Chinook 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.