

# WEST VELA



**Ultra Deepwater  
Drillship**

## GENERAL DESCRIPTION

<b>Design</b>	Samsung 12,000
<b>Year Entered Service</b>	2013
<b>Classification</b>	Panama ABS
<b>Main Deck</b>	748ft (228m) Long x 137ft (41.75m) Wide
<b>Draft</b>	39ft (11.88m) Operating
<b>Displacement</b>	106,000MT Operating
<b>Variable Deck Load</b>	22,047MT Operating
<b>Transit Speed</b>	Up to 11.5 knots
<b>Water Depth</b>	12,000ft (3,658m) - designed
<b>Drilling Depth</b>	37,500ft (11,430m)
<b>Accommodation</b>	200 people
<b>Helideck</b>	Sikorsky S-92, MIL-MI-8 CAP 437 compliant

## DRILLING EQUIPMENT

<b>Derrick</b>	NOV Dual, 210 ft high with 80 ft x 60 ft base, combined hook load capacity of 4500 kips
<b>Drawworks</b>	<b>Main:</b> NOV Dreco with sixteen 2" drilling lines and 2,500,000 lbs pull <b>Aux:</b> NOV Dreco with fourteen 2" drilling lines (max) and 2,000,000 lbs pull
<b>Compensator</b>	<b>Main:</b> NOV crown mounted rated for 766 ST compensated, 1,250 ST static <b>Aux:</b> NOV crown mounted rated for 500 ST compensated, 1,000 ST static
<b>Rotary Table</b>	<b>Main:</b> NOV RST 75 ½" <b>Aux:</b> NOV RST 60 ½"
<b>Top Drive</b>	<b>Main:</b> NOV TDX-1250, 1,250ST <b>Aux:</b> NOV TDX-1000, 1,000ST
<b>Tubular Handling</b>	NOV automated hydraracker
<b>Mud Pumps</b>	4 x NOV 14-P-220, 2,200hp, 7,500 psi

## CRANES

<b>Knuckle-boom</b>	3 x 93 ST NOV Hydralift knuckle-boom
<b>AHC Subsea</b>	NOV Heave Compensated knuckle-boom 182 ST

## SUBSEA EQUIPMENT

<b>Diverter</b>	Shaffer Max Bore 21¼" 500 psi with 5 x 21 ½" flow lines + 2 x 18" overboard diverter lines
<b>BOP Stack</b>	2 x NOV 18 ¾" 15,000 psi seven-ram preventer APIS53 compliant
<b>Annular</b>	2x Shaffer 18 ¾" 10,000psi
<b>WH Connector</b>	Vetco SHD
<b>C&amp;K Manifold</b>	Cameron 3 1/16", 15,000 psi
<b>Marine Riser</b>	Shaffer FT-H 21", 90 ft long per joint
<b>Tensioners</b>	8 x dual Shaffer 112.5 ST each with 50 ft of wire travel
<b>Moonpool</b>	85.3ft x 40.9ft (26m x 12.46m)

## STORAGE CAPACITY

<b>Liquid Mud</b>	12,862 bbls	2,045 m <sup>3</sup>
<b>Bulk Barite/Gel</b>	15,962 ft <sup>3</sup>	452 m <sup>3</sup>
<b>Bulk Cement</b>	15,962 ft <sup>3</sup>	452 m <sup>3</sup>
<b>Fuel</b>	37,793 bbls	6,008 m <sup>3</sup>
<b>Drill Water</b>	15,632 bbls	2,485 m <sup>3</sup>
<b>Potable Water</b>	9,132 bbls	1452 m <sup>3</sup>

## MUD TREATMENT SYSTEM

<b>MGS (Poor Boy)</b>	NOV/RB Pipetech 15mmscfd / >5m <sup>3</sup> /h
<b>Shale Shakers</b>	6 x NOV/BRANDT / DUAL MOTION VSM 300 12.6BBL/MIN or 120m <sup>3</sup> /hour (EACH)
<b>Degasser</b>	2 x Burgess / Magna-vac 1500 Type: Regenerative vacuum blower

## POWER GENERATION

<b>Main Power</b>	6 x STX MAN 16V32/40 10,877hp each
<b>Main Generator</b>	6 x ABB 9,387 hp @ 0.8 P.F.
<b>Emergency Power</b>	1 x MTU 2,145 hp diesel engine driving 1 x Leroy Somer 1,350 kW generator @ 0.8 P.F.

## STATION KEEPING / PROPULSION SYSTEM

<b>Thrusters</b>	6 x Rolls Royce, 4,500 kW azimuth thrusters with fixed blade propellers
<b>DP System</b>	Kongsberg SDP-32 DP-3

## OTHER INFORMATION

<b>Dual Activity</b>	Yes
<b>MPD Capable</b>	Full MPD equipped with integrated joint, manifold and Coriolis

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