

The Vela is a 7<sup>th</sup> generation ultra-deep-water drillship with operational history in the U.S. Gulf of Mexico.

For further information: [www.aquadrilloffshore.com](http://www.aquadrilloffshore.com)



## GENERAL - IMPERIAL

Built	2013 Samsung heavy industries
Design	Samsung 12,000
Flag	Panama
Class	ABS
Dimensions	748 ft x 137.8 ft
Drafts	39.4 ft drilling, 27.9 transit
Displacement	106,000 st drilling, 71,500 st transit
Variable load	22,047 st drilling, 18,188 st transit
Accommodations	200 persons
Helideck	Sikorsky S-92, MIL-MI-8
Max water depth	12,000 ft designed, 10,000 ft outfitted
Max drilling depth	37,500 ft

## STATION KEEPING

Dynamic positioning	Kongsberg class 3
Thrusters	6 x Rolls Royce 6,035 HP Azimuthing
Transit speed	Up to 11.5 knots
Mooring lines	Harbor mooring only
Mooring winches	Harbor mooring only

## STORAGE CAPACITIES

Fuel	37,793 bbl
Drill water	15,362 bbl
Potable water	9,132 bbl
Active liquid mud	6,544 bbl
Reserve liquid mud	6,318 bbl
Bulk	15,962 ft <sup>3</sup>
bentonite/barite	
Bulk cement	15,962 ft <sup>3</sup>

## DRILLING PACKAGE

Derrick	Dual NOV 210 ft x 80 ft x 60 ft, 1,250 + 1,000 st gross nominal capacity
Top drive	Main: NOV TDX 1250 rated for 1,250 st hoisting capacity, 2 x 1,340 HP AC motors, max continuous torque 105,000 ft lbs at 125 RPM AUX: NOV TDX 1,000 rated for 1,000 st hoisting capacity, 2 x 1,150 HP AC motors, max continuous torque 78,450 ft lbs
Drawworks	Main: NOV Dresco 2" drill line max line pull 16 lines of 1,250 st, AUX: NOV Dresco 2" drill line max line 14 lines 1,000 st
Rotary table	Main: Varco RST 75.5" AUX: Varco RST 60.5"
Compensator	Main : NOV crown mounted rated for 766 st compensated, 1,250 st static AUX: NOV crown mounted rated for 500 st compensated, 1,000 st static
Tubular handling	NOV automated hydraracker
MUD pumps	4 x NOV 14-P-220 2,200 HP
HP mud system	Rated for 7,500 PSI
Shale shakers	6 x NOV VSM 300

## SUBSEA EQUIPMENT

BOP	NOV 18-3/4" 7 RAM 15,000 PSI
Annular	Shaffer 18-3/4" 10,000 PSI
Diverter	Shaffer max bore 21 1/4"
Wellhead connector	Vetco SHD dressed for 27" wellhead
Riser	Shaffer ft 90 ft length 21" OD, 4" ID boost line
Tensioners	8 x dual Shaffer 112.5 st capacity ea, 50 ft line travel

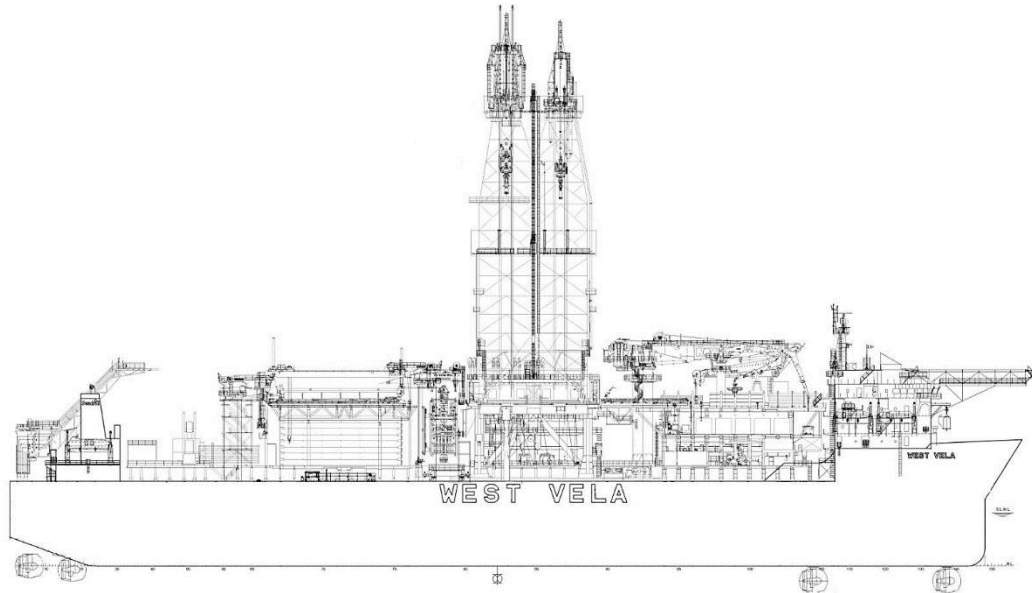
# VELA

## CRANES

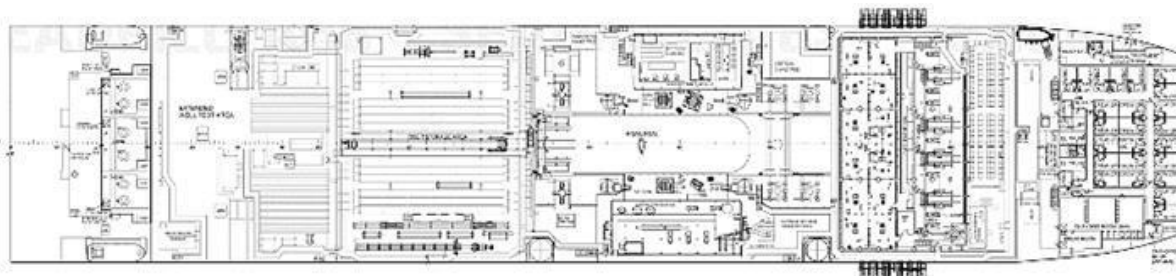
Primary cranes	3 x NOV hydralift knuckle boom rated for 93.6 st at 62.3 ft radius
Christmas tree crane	NOV heave compensated knuckle boom rated for 181.9 st at 59 ft

## POWER

Main engines	6 x STX-MAN 16V32/40 10,877 HP diesel engines
Main generators	6 x ABB 9,387 HP at 0.8 P.F.
Emergency power	1 x MTU 2,145 HP diesel engine 1 x Leroy Somer 1,350 kW generator at 0.8 p.f.



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## GENERAL - METRIC

Built	2013 Samsung heavy industries
Design	Samsung 12,000
Flag	Panama
Class	ABS
Dimensions	228 m x 42 m
Drafts	12 m drilling x 8.5 m transit
Displacement	96,189 mt drilling x 64,882 mt transit
Variable load	20,000 mt drilling x 16,500 mt transit
Accommodations	200 persons
Helideck	Sikorsky S-92, MIL-MI-8
Max water depth	3,660 m designed x 3,048 m outfitted
Max drilling depth	11,433 m

## STATION KEEPING

Dynamic positioning	Kongsberg class 3
Thrusters	6 x Rolls Royce 6,035 HP Azimuthing
Transit speed	Up to 5.9 m/s
Mooring lines	Harbor mooring only
Mooring winches	Harbor mooring only

## STORAGE CAPACITIES

Fuel	6,009 m <sup>3</sup>
Drill water	2,442 m <sup>3</sup>
Potable water	1,452 m <sup>3</sup>
Active liquid mud	1,040 m <sup>3</sup>
Reserve liquid mud	1,004 m <sup>3</sup>
Bulk bentonite/barite	452 m <sup>3</sup>
Bulk cement	452 m <sup>3</sup>

## DRILLING PACKAGE

Derrick	Dual NOV 64 m x 24.4 m x 18.3 m base 1,134 + 907 mt gross nominal capacity
Top drive	Main: NOV TDX 1250 rated for 1,134 mt hoisting capacity, 2 x 999 kW AC motors, max continuous torque 142,360 Nm at 125 RPM AUX: NOV TDX 1,000 rated for 907 mt hoisting capacity, 2 x 858 kW AC motors, max continuous torque 106,364 Nm
Drawworks	Main: NOV Dresco 50.8 mm drill line max line pull 16 lines of 1,134 mt, AUX: NOV Dresco 50.8 mm drill line max line 14 lines 907 mt
Rotary table	Main: Varco RST 755 AUX: Varco RST 605
Compensator	Main : NOV crown mounted rated for 695 mt compensated, 1,134 mt static AUX: NOV crown mounted rated for 454 mt compensated, 907 mt static
Tubular handling	NOV automated hydraracker
MUD pumps	4 x NOV 14-P-220 1,640 kW
HP mud system	Rated for 517 bar
Shale shakers	6 x NOV VSM 300

## SUBSEA EQUIPMENT

BOP	2 x NOV 47.625 cm 7 ram 1,034 bar
Annular	2 x Shaffer DL 47.625 cm 689 bar
Diverter	Shaffer max bore 0.53975 m
Wellhead connector	Vetco SHD dressed for 68.54 cm wellhead
Riser	Shaffer ft-h 27.43 m length 0.5334 m OD 10.16, ID boost line
Tensioners	8 x dual Shaffer 102 mt capacity ea, 15.24 m line travel

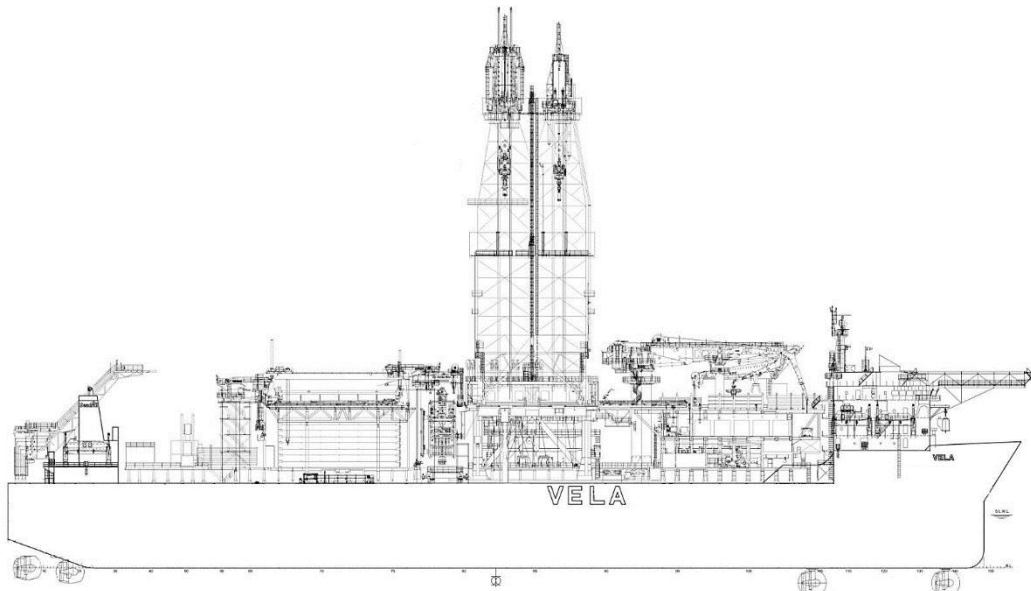
# VELA

## CRANES

Primary cranes	3 x NOV hydralift knuckle boom rated for 85 mt at 19 m radius
Christmas tree crane	NOV heave compensated knuckle boom rated for 165 mt at 18 m

## POWER

Main engines	6 x STX-MAN 16V32/40 8,000 kW diesel engines
Main generators	6 x ABB 7,000 kW at 0.8 P.F.
Emergency power	1 x MTU 1,600 kW diesel engine 1 x Leroy Somer 1,350 KW



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