

## WEST SATURN

The West Saturn is a 7th generation ultra-deepwater drillship with operational history offshore Africa and Brazil



### GENERAL (U.S)

Built	2014 Samsung Heavy Industries
Design	Samsung 12,000
Flag/Class	Panama / ABS
Dimensions	748 ft Long / 137.8 ft Wide
Draft	39.4 ft Drilling / 27.9 ft Transit
Displacement	106,087 st Drilling / 73,881 st Transit
Variable Load	22,046 st Drilling / 18,188 st Transit
Accommodations	200 Persons
Helideck	Sikorsky S61N & S92
Max. Water Depth	12,000 ft Designed / 9,900 ft Outfitted
Max. Drilling Depth	40,000 ft Designed / 37,500 ft outfitted

### STATION KEEPING

Dynamic Positioning	Kongsberg DP 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	9,435 bbl
Bulk Bentonite / Barite	15,962 ft <sup>3</sup>
Bulk Cement	15,962 ft <sup>3</sup>
Sack Storage	7,000 Sacks

### DRILLING PACKAGE

Derrick	Dual NOV 210 ft Tall with 80 ft x 60 ft Base 1,250 + 1,000 St Gross Nominal Capacity
Top Drive	1 x Main + 1 x Aux 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
Drawworks	Main: NOV Dresco w/ 2" Drill Line Max. Line Pull 16 Lines of 1,250 st Aux: NOV Dresco 2" Drill Line Max. Pull 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
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 NXT RAM 15,000 psi
Annular	2 x Shaffer 18 3/4" 10,000 psi
Diverter	Shaffer Max. Bore 21-1/4"
Wellhead Connector	Drill-Quip DX-DW Dressed for 27" Wellhead
Riser	Shaffer ft-h 90 ft Length 21" OD, 4" ID Boost Line
Tensioners	8 x Dual Shaffer 112.5 st Capacity EA, 50 ft Line Travel

### CRANES

Primary Cranes	3 x NOV Hydralift Knuckle Boom Rated for 93.6 st at 62.3 ft Radius
X-Mas Tree Handling	NOV Heave Compensated Knuckle Boom Rated for 181.9 st at 59 ft Radius

### POWER

Main Engines	6 x Himsen 16H32/40V 10,877 HP Diesel Engines
Main Generators	6 x ABB 9,387 HP @ 0.8 P.F
Emergency Power	1 x MTU 2,145 HP Diesel Engine 1 x Leroy Somer 1,350 kW Generator @ 0.8 P.F

## WEST SATURN

The West Saturn is a 7th generation ultra-deepwater drillship with operational history offshore Africa and Brazil



### GENERAL (METRIC)

Built	2014 Samsung Heavy Industries
Design	Samsung 12,000
Flag/Class	Panama / ABS
Dimensions	228 m Long / 42 m Wide
Draft	12 m Drilling / 8.5 ft Transit
Displacement	96,241 mt Drilling / 66,369 mt Transit
Variable Load	20,000 mt Drilling / 16,500 mt Transit
Accommodations	200 Persons
Helideck	Sikorsky S92 / MIL-MI-8
Max. Water Depth	3,657 m Designed / 3,135 m Outfitted
Max. Drilling Depth	12,192 m Designed / 11,429 m Outfitted

### STATION KEEPING

Dynamic Positioning	Kongsberg DP Class 3
Thrusters	6 x Rolls Royce 4,500 kW 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	1,500 m <sup>3</sup>
Bulk Bentonite / Barite	452 m <sup>3</sup>
Bulk Cement	452 m <sup>3</sup>
Sack Storage	7,000 Sacks

### DRILLING PACKAGE

Derrick	Dual NOV 64 m Tall with 24.4 m x 18.3 m Base 1,134 + 901 mt Gross Nominal Capacity
Top Drive	1 x Main + 1 x Aux 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
Drawworks	Main: NOV Dresco 50.8 Drill Line Max. Line Pull 16 Lines of 1,134 mt Aux: NOV Dresco 2" Drill Line Max. Pull 14 Lines 907 mt
Rotary Table	Main: VARCO RST 1.917 m Aux: VARCO RST .536 m
Compensator	Main: NOV Crown Mounted Rated for 695 mt Compensated, 1,134 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	NOV 47.625 cm 7 NXT RAM 1,034 bar
Annular	2 x Shaffer 47.625 cm 689 bar
Diverter	Shaffer Max. Bore 53.975 cm
Wellhead Connector	Drill-Quip DX-DW Dressed for 68.58 cm Wellhead
Riser	Shaffer 27.43 m Length 0.5334 m OD 10.16 cm ID Boost Line
Tensioners	8 x Dual Shaffer 102 mt Capacity EA, 15.24 m Line Travel

### CRANES

Primary Cranes	3 x NOV Hydralift Knuckle Boom Rated for 165 mt at 19 m Radius
X-Mas Tree Handling	NOV Heave Compensated Knuckle Boom Rated for 165 mt at 18 m Radius

### POWER

Main Engines	6 x Himsen 16H32/40V 8,000 kW Diesel Engines
Main Generators	6 x ABB 7,000 kW @ 0.8 P.F
Emergency Power	1 x MTU 1,600 kW Diesel Engine 1 x Leroy Somer 1,350 kW Generator @ 0.8 P.F

## WEST SATURN

The West Saturn is a 7th generation ultra-deepwater drillship with operational history offshore Africa and Brazil

