

WEST SIRIUS

The West Sirius is a 6th generation ultra-deepwater semi-submersible drilling rig with operational history in the U.S. Gulf of Mexico.



GENERAL (U.S.)	
Built	2008 Jurong Shipyard Singapore
Design	Friede & Goldman ExD Millenium
Flag / Class / Notations	Panama / ABS / CDS, DPS2
Dimensions	380 ft Long / 298 ft Wide
Drafts	59 - 65.6 ft Drilling / 27.6 ft Transit
Displacements	47,840 - 51,478 st Drilling / 36,376 st transit
Variable Load	7,760 st Drilling / 5,516 st Transit
Accommodation	180 Persons
Helideck	Sikorsky S92, EH101
Max. Water Depth	10,000 ft Designed / 10,000 ft Outfitted
Max. Drilling Depth	35,000 ft
STATION KEEPING	
Dynamic Positioning	Kongsberg DP2
Thrusters	8 x Rolls Royce 4,500 HP Azimuthing
Transit Speed	Up to 6 Knots
Mooring Lines	Harbor Mooring Only
Mooring Winches	Harbor Mooring Only
STORAGE CAPACITIES	
Fuel	21,270 bbl
Drill Water	14,739 bbl
Potable Water	4,766 bbl
Active Liquid Mud	6,808 bbl
Reserve Liquid Mud	12,333 bbl
Bulk Bentonite / Barite	11,283 ft ³
Bulk Cement	15,531 ft ³
Sack Storage (50 LB Sacks)	6,100 Sacks
DRILLING PACKAGE	
Derrick	Maritime Hydraulic 210 ft Tall with 46 ft x 52 ft Base Gross 2,500,000 lbs
Top Drive	NOV TDX 1250 Rated for 1250 st Hoisting Capacity, 2 x 1,150 HP AC Motors, Max. Continuous Torque 94,740 ft-lbs at 130 RPM
Drawworks	Wirth GH 4500 w/ 2" Drill Line Max. Line Pull 14 Lines of 2,283,000 lbs

Rotary Table	Wirth RTSS 60 1/2"
Compensator	MH Crown Mounted Rated for 1,000,000 lbs Compensated, 2,500,000 lbs Static
Tubular Handling	MH Hi-Pro Automated Racking System
Offline Capability	Offline Stand Building Arm / HRN
Mud Pumps	4 x Wirth TPK 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	8 x DERRICK 503 VE
SUBSEA EQUIPMENT	
BOP	1 x Cameron 18 3/4" 6 RAM 15,000 psi
Annular	2 x Cameron DL 18 3/4" 10,000 psi
Diverter	VETCO KFDS CSO 60 1/2"
Riser	Cameron LK 75 ft Length 21" OD, 4" ID Boost Line
Tensioners	6 x MH DATs Max. Total Tension Applied at Ring 1,800 st, 50 ft Stroke
Wellhead Connector	Cameron EVO Con with Adapter to Fit onto Standard 27" H-4 Wellhead
CRANES	
Pedestal Cranes	2 x Seatrax Rated for 120 st at 105 ft Radius
Pipe Handling Crane	1 x Hydramarine Rated for 16 st at 115 ft Radius
X-Mas Tree Handling	2 x 82 st, 165 st Total
POWER	
Main Engines	8 x Caterpillar 3616 6,500 HP Diesel Engines
Main Generators	8 x ABB 6,500 HP
Emergency Power	1 x Caterpillar 3512 B Diesel Engine 1 x Leroy Somer 1,743 HP Generator
OTHER INFORMATION	
Trip Saver	AKMH Tripsaver. Temporarily Relocate Riser String Away from Well Center

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GENERAL (METRIC)	
Built	2008 Jurong Shipyard Singapore
Design	Friede & Goldman ExD Millenium
Flag/Class/ Notations	Panama / ABS / CDS, DPS2
Dimensions	115.7 m Long / 90.4 m Wide
Draft	17-20 m Drilling / 8.2 m Transit
Displacement	43,400 - 46,700 mt Drilling 33,000 mt Transit
Variable Load	7,040 mt Drilling / 5,000 mt Transit
Accommodations	180 Persons
Helideck	Sikorsky S92, EH101
Max. Water Depth	3,048 m Designed / 3,048 m Outfitted
Max. Drilling Depth	10,668 m
STATION KEEPING	
Dynamic Positioning	Kongsberg DP 2
Thrusters	8 x Rolls Royce 3,300 kW Azimuthing
Transit Speed	Up to 6 Knots
Mooring Lines	Harbor Mooring Only
Mooring Winches	Harbor Mooring Only
STORAGE CAPACITIES	
Fuel	3,381 m ³
Drill Water	2,343 m ³
Potable Water	757 m ³
Active Liquid Mud	1,082 m ³
Reserve Liquid Mud	1,960 m ³
Bulk Bentonite / Barite	319 m ³
Bulk Cement	439 m ³
Sack Storage	6,100 Sacks
DRILLING PACKAGE	
Derrick	Maritime Hydraulic 64 m Tall with 14 m x 16 m Base Gross 1,133,980 Kg
Top Drive	NOV TDX 1250 Rated for 1,134 mt Hoisting Capacity, 2 x 858 kW AC Motors, Max. Continuous Torque 128,450 ft-lbs at 130 RPM

Drawworks	Wirth GH 4500 w/ 50.8 mm Drill Line Max. Line Pull 14 Lines of 1,036 mt
Rotary Table	Wirth RTSS 153.7 cm
Compensator	MH Crown Mounted Rated for 454 mt Compensated, 1,134 mt Static
Tubular Handling	MH Hi-Pro Automated Racking System
Offline Capability	Offline Stand Building Arm / HRN
Mud Pumps	4 x Wirth TPK 1,640 kW
HP Mud System	Rated for 517 Bar
Shale Shakers	8 x Derrick DP 503 VE
SUBSEA EQUIPMENT	
BOP	1 x Cameron 6 RAM 1,034 Bar
Annular	2 x Cameron DL 47.625 cm 689 Bar
Diverter	VETCO KFDS CSO 1.5367 m
Riser	Cameron LK 22.86 m Length 0.5334 m OD 10.16 ID Boost Line
Tensioners	6 x MH DATs Max. Total Tension Applied at Ring 1,633 mt, 15.24 m Stroke Cameron EVO Con w/ Adapter to Fit onto Standard 68.58 cm H-4 Wellhead
Wellhead Connector	
CRANES	
Pedestal Cranes	2 x Seatrax Rated for 108 mt at 32 m Radius
Pipe Handling Crane	1 x Hydramarine Rated for 15 mt at 35 m Radius
X-Mas Tree Handling	2 x 75 mt, 150 mt Total
POWER	
Main Engines	8 x Caterpillar 3616 4,800 kW Diesel Engines
Main Generators	8 x ABB 4,800 kW
Emergency Power	1 x Caterpillar 3512 B Diesel Engine 1 x Leroy Somer 1,300 kW Generator
OTHER INFORMATION	
Trip Saver	AKMH Tripsaver. Temporarily Relocate Riser String Away from Well Center

Further information: +47 51 30 90 00 – www.seadrill.com

The above information is intended for general reference only. All equipment and specifications are subject to change at any time. Revised 25 June 2015.

