West Sirius

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(Metric)

GENERAL	
Built	Q2 - 2008
Hull ID	11-1085
Major upgrades	-
Design	Fried & Goldman ExD millenium
Previous names	-
Flag	Panama
Classification agency	ABS
Dimensions	115,7 x 90,4 m
Operating draft	17 - 20 m
Transit draft	8,2 m
VDL - operating	8,000 mt*
VDL - survival	7,000 mt
VDL - transit	5,700 mt
Transit speed	6 knots
Designed max WD	3,050 m
Min WD	100 m
Max drilling depth	10,670 m
VDL + Storage hull	20,676 mT (Operational)
Quarters	180
Helideck size	TBA
Helideck capacity	EH101
Helideck certification	HELIDECK
DRILLING PACKAGE	
Derrick (SHL)	1.134 mt
Racking capacity	8,260 m 6 5/8", 4,360 m 5 7/8"
BHA	744 m DC/BHA
Csg storage 13 3/8" or 9 5/8" or 7	2,286 m or 2,950 m or 4,267 m
Drawworks	Wirth 4500
Rotary table	1.54 m VBJ RST (60,5")
Top drive	NOV (Varco) TDX 1250 AC-2M (Dual AC) 2 x 850 kW
- continuous torque	122,1 kNm
Pipehandling	Roughnecks, 2 off Offline Standbuilding
CMC/ AHC	ASMH Type 454/25 Compensating 454 mt. Static load 907 mt.
TUBULARS	
Drillpipe	149,22 mm (5 7/8")
MUD SYSTEM	
Pressure rating	517 bar
Pumps	4 x 1,620 kW (2,200 hp)
Solids control	8 x Derrick 503 VE shakers

CAPACITIES	
Diesel	3,380 m³
Drillwater	2,330 m³
Potable water	714 m³
Bulk product	775 m³
Sack storage	6,200 sacks (22,7 kg)
Base oil	760 m³
Brine	775 m³
Liquid mud	2,990 m³
Mudpits (excl slug/mix)	1,080 m³
WELL CONTROL	
Diverter	Vetco KFDS CSO, 1.54 m (60½")
BOP	6 ram BOP - Cameron 0.467 m 3 x double (18.75") 1034 bar (15ksi)
C&K manifold	Techdrill 1034 bar (15Kpsi)
RISER SYSTEM	
Riser tension	16 MN (3,6MM lbs)
Riser type/ maker	Cameron LK 3,5 mm lbs. (22,86 m)
Riser ID	489 mm (19.25")
Kill / Choke lines ID	76.2 mm (3.3")
Kill / Choke lines rating	1034 bar (15000 psi)
Booster line ID	101,6 mm (4")
TRIPSAVER	ASMH Tripsaver. Relocate riser string away from main well center.
POWER	
Diesel engines	8 x Cat 3616
Main generators	4,800 kW
Total power	37.7 MW
Emergency power	1 x Cat 3512 B, 13 kW
STATION KEEPING	
DP class	DPS 2+
DP control system	Kongsberg
Thrusters	8 x 3,350 kW – ABB
Mooring lines	Harbour mooring only
Mooring winches	Harbour mooring only
CRANES	
Pedestal cranes	2 x 105 mt, Seatrax
Pipe handling crane	1 x 15mt TBA
BOP crane	2 x 255 mt
Riser handling crane	40 mt Monorail crane
X-mas tree crane	2 x 75 mt Tot. 150 mt

* 6000 mt in moored condition.

West Sirius is a 6th generation semi submersible of Fried & Goldman ExD millenium design, build and delivered from Jurong Shipyard in Singapore in 2007. West Sirius is designed to operate in moderate environments, in ultra deep water-depths of 3,050 m with drilling depths down to 10,670 m.
Other key features are; DP 2+ class, large storage area, high variable deckload, trip saver for hanging off riser away from well center, capabilities for stand building offline on drillfloor and building top hole casing outside derrick.