

WEST ORION

The West Orion is a 6th generation ultra-deepwater semi-submersible drilling rig with operational history offshore Brazil.



| GENERAL (U.S) | |
|----------------------------|--|
| Built | 2009 Jurong Shipyard Singapore |
| Design | Friede & Goldman ExD Millenium |
| Flag / Class / Notations | Panama / ABS / CDS, DPS2 |
| Dimensions | 380 ft Long / 297 ft Wide |
| Drafts | 55.8-65.6 ft Drilling / 27.6 ft Transit |
| Displacements | 47,606-51,283 st Drilling 36,358 st Transit |
| Variable Load | 8,818 st Drilling / 6,283 st Transit |
| Accommodation | 180 Persons |
| Helideck | Sikorsky S92, EH101 |
| Max. Water Depth | 10,000 ft Designed / 7,874 ft Outfitted |
| Max. Drilling Depth | 37,000 ft |
| STATION KEEPING | |
| Dynamic Positioning | Kongsberg K-Pos 32+12 Class 2 |
| 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 | 17,793 bbl |
| Drill Water | 15,427 bbl |
| Potable Water | 4,384 bbl |
| Active Liquid Mud | 7,247 bbl |
| Reserve Liquid Mud | 12,379 bbl |
| Bulk Bentonite / Barite | 11,901 ft ³ |
| Bulk Cement | 17,163 ft ³ |
| Sack Storage (50 LB Sacks) | 6,200 Sacks |
| DRILLING PACKAGE | |
| Derrick | Maritime Hydraulic 210 ft Tall with 46 ft x 52 ft Base 2,000,000 lbs Dynamic |
| Top Drive | MH DDM 1000 Rated for 1,000 st Hoisting Capacity, 2 x 1,150 HP AC Motors, Max. Continuous Torque 94,800 ft-lbs at 125 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 / Mousehole / Aux. VPH |
| Mud Pumps | 4 x Wirth TPK 2,200 HP |
| HP Mud System | Rated for 7,500 psi |
| Shale Shakers | 8 x Derrick DP 626 |
| 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 Wellehad Connector Assembly 18-3/4" 15,000 psi WP |
| CRANES | |
| Pedestal Cranes | 2 x Seatrax Rated for 115 st at 82 ft Radius |
| Pipe Handling Crane | 1 x Hydramarine Rated for 16 st at 49-82 ft Radius |
| X-Mas Tree Handling | 2 x 82 st, 165 st Total |
| POWER | |
| Main Engines | 8 x Cat C280 6,500 HP Diesel Engines |
| Main Generators | 8 x ABB 6,500 HP |
| Emergency Power | 1x Caterpillar 3512 B Diesel Engine 1x Leroy Somer 1,743 HP Generator |
| OTHER INFORMATION | |
| Trip Saver | AKMH Tripsaver. Temporarily Store BOP on Tensioners in Moonpool While Top Hole is Drilled |

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 11 August 2016.

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GENERAL (METRIC)

| | |
|-----------------------|--|
| Built | 2009 Jurong Shipyard Singapore |
| Design | F&G ExD Millenium |
| Flag/Class/ Notations | Panama / ABS / CDS, DPS2 |
| Dimensions | 115.8 m Long / 90.5 m Wide |
| Draft | 17-20 m drilling / 8.4 m transit |
| Displacement | 43,200-46,500 mt drilling 33,000 mt transit |
| Variable Load | 8,000 mt drilling / 5,700 mt transit |
| Accommodations | 180 Persons |
| Helideck | Sikorsky S92, EH101 |
| Max. Water Depth | 3,280 m designed/ 2,583 m outfitted |
| Max. Drilling Depth | 11,278 m |

STATION KEEPING

| | |
|---------------------|------------------------------------|
| Dynamic Positioning | Kongsberg K-Pos 32+12 Class 2 |
| Thrusters | 8 x Rolls Royce 3,300KW Azimuthing |
| Transit Speed | Up to 6 knots |
| Mooring Lines | Harbor mooring only |
| Mooring Winches | Harbor mooring only |

STORAGE CAPACITIES

| | |
|-----------------------|----------------------|
| Fuel | 2,828 m ³ |
| Drill Water | 2,453 m ³ |
| Potable Water | 697 m ³ |
| Active Liquid Mud | 1,152 m ³ |
| Reserve Liquid Mud | 1,968 m ³ |
| Bulk Bentonite/Barite | 337 m ³ |
| Bulk Cement | 486 m ³ |
| Sack Storage | 6,200 sacks |

DRILLING PACKAGE

| | |
|--------------------|--|
| Derrick | Martime Hydraulic 64 m tall with 14 m x 16 m base 907 mt dynamic |
| Top Drive | MH DDM 1000 rated for 908 mt hoisting |
| Drawworks | Wirth GH 4500 w/ 2" drill line |
| Rotary Table | Wirth RTSS 60 1/2" |
| Compensator | MH crown mounted rated for 454 mt compensated, 907 mt static |
| Tubular Handlir | MH Hi-Pro automated racking system |
| Offline Capability | Offline stand building arm / HRN |
| Mud Pumps | 4x Wirth TPK 1,640 kW |
| HP Mud System | Rated for 517 bar |
| Shale Shakers | 8 x Derrick DP 626 |

SUBSEA EQUIPMENT

| | |
|--------------------|---|
| BOP | 1 x Cameron 47.625 cm 6 ram 1,034 |
| Annular | 2 x Cameron DL 47.625 cm 689 bar |
| 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 1,633 mt, 15.24 m stroke |
| Wellhead connector | Cameron EVO CON Wellhead Connector Assembly 47.625 cm 1,034 bar WP |

CRANES

| | |
|---------------------|---|
| Pedestal Cranes | 2 x Seatrax rated for 100 mt at 25 m radius |
| Pipe Handling Crane | 1 x Hydramarine rated for 15 mt at 12-25 m radius |
| X-Mas Tree Crane | 2 x 75 mt, 150 mt total |

POWER

| | |
|-----------------|--|
| Main Engines | 8 x Cat C280 4,800 kW Diesel Engine |
| Main Generators | 8 x ABB 4,800 kW |
| Emergency Power | 1 x Caterpillar 3512 B Diesel Enigne 1 x Leroy Somer 1,300 kW generator |

OTHER INFORMATION

| | |
|------------|--|
| Trip Saver | AKMH Tripsaver. Temporarily store BOP on tenrioner in moonpool while top hole is drilled |
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