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

**GENERAL (U.S.)**
- **Built**: 2010 Jurong Shipyard Singapore
- **Design**: Friede & Goldman ExD Millenium
- **Flag/Class**: Panama / ABS / CDS, DPS2
- **Dimensions**: 380 ft Long / 297 ft Wide
- **Draft**: 55.8-65.6 ft Drilling / 27.6 ft Transit
- **Displacement**: 47,606-51,283 st Drilling / 36,358 st Transit
- **Variable Load**: 8,818 st Drilling / 6,283 st Transit
- **Accommodations**: 180 Persons
- **Helideck**: Sikorsky S92, EH101
- **Max. Water Depth**: 10,000 ft Designed / 7,874 ft Outfitted
- **Max. Drilling Depth**: 37,500 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 6.5 Knots
- **Mooring Lines**: Harbor Mooring Only
- **Mooring Winches**: 2 x Windlass: Port Fwd & Stbd Fwd

**STORAGE CAPACITIES**
- **Fuel**: 24,434 bbl
- **Drill Water**: 18,589 bbl
- **Potable Water**: 5,968 bbl
- **Active Liquid Mud**: 9,217 bbl
- **Reserve Liquid Mud**: 15,745 bbl
- **Bulk Bentonite / Barite**: 11,920 ft³
- **Bulk Cement**: 17,160 ft³
- **Sack Storage**: 6,100 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

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drawworks</td>
<td>Wirth GH 4500 w/ 2” Drill Line Max. Line Pull 14 Lines of 2,283,000 lbs</td>
</tr>
<tr>
<td>Rotary Table</td>
<td>Wirth RTSS 60 ½”</td>
</tr>
<tr>
<td>Compensator</td>
<td>MH Crown Mounted Rated for 1,000,000 lbs Compensated, 2,000,000 lbs Static</td>
</tr>
<tr>
<td>Tubular Handling</td>
<td>MH Hi-Pro Automated Racking System</td>
</tr>
<tr>
<td>Offline Capability</td>
<td>Offline Stand Building Arm / HRN / Mousehole / Aux. VPH</td>
</tr>
<tr>
<td>Mud Pumps</td>
<td>4 x Wirth TPK 2,200 HP</td>
</tr>
<tr>
<td>HP Mud System</td>
<td>Rated for 7,500 psi</td>
</tr>
<tr>
<td>Shale Shakers</td>
<td>8 x Derrick DP 626</td>
</tr>
</tbody>
</table>

**SUBSEA EQUIPMENT**
- **BOP**: 1 x Cameron 18 ¾” 6 RAM 15,000 psi
- **Annular**: 2 x Cameron DL 18 ¾” 10,000 psi
- **Diverter**: VETCO KFDS CSO 60 ½”
- **Wellhead Connector**: Cameron EVO CON Wellhead Connector Assembly 18-3/4” 15,000 psi WP
- **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

**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**: 1 x Caterpillar3512B DieselEngine 1 x LeroySommer1,743HP 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 October 2018.
The West Orion is a 6th generation ultra-deepwater semi-submersible drilling rig with operational history offshore Brazil.

**GENERAL (METRIC)**
- **Built**: 2010 Jurong Shipyard Singapore
- **Design**: F&G ExD Millenium
- **Flag/Class**: Panama / ABS / CDS, DPS2
- **Dimensions**: 115.7 m Long / 90.4 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**: 3,048 m designed/ 2,400 m outfitted
- **Max. Drilling Depth**: 11,430 m

**STATION KEEPING**
- **Dynamic Positioning**: Kongsberg K-Pos 32+12 Class 2
- **Thrusters**: 8 x Rolls Royce 3,300KW Azimuthing
- **Transit Speed**: Up to 6.5 knots
- **Mooring Lines**: Harbor mooring only
- **Mooring Winches**: 2 x Windlass: Port

**STORAGE CAPACITIES**
- **Fuel**: 3,885 m³
- **Drill Water**: 2,955 m³
- **Potable Water**: 949 m³
- **Active Liquid Mud**: 1,465 m³
- **Reserve Liquid Mud**: 2,503 m³
- **Bulk Bentonite / Barite**: 337 m³
- **Bulk Cement**: 486 m³
- **Sack Storage**: 6,100 sacks

**DRILLING PACKAGE**
- **Derrick**: Maritime 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 ½”
- **Compensator**: MH crown mounted rated for 454 mt compensated, 892 mt static
- **Tubular Handling**: MH Hi-Pro automated racking system
- **Offline Capability**: Offline stand building arm / HRN
- **Mud Pumps**: 4x Wirth TPK 1,620 kW
- **HP Mud System**: Rated for 517 bar
- **Shale Shakers**: 8 x Derrick DP 626

**SUBSEA EQUIPMENT**
- **BOP**: 1x Cameron 47.625 cm 6 ram, 1,034 bar
- **Annular**: 2x Cameron DL 47.625 cm 689 bar
- **Diverter**: Vetco KFDS CSO 60 ½”
- **Wellhead Connector**: Cameron EVO CON Wellhead Connector Assembly 47.625 cm 1,034 bar WP
- **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

**CRANES**
- **Pedestal Cranes**: 2 x Seatrax rated for 105 mt at 25 m radius
- **Pipe Handing 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 Engine 1 x Leroy Somer 1,300 kW generator

**OTHER INFORMATION**
- **Trip Saver**: AKMH Tripsaver. Temporarily Store BOP on Tensioners in Moonpool While Top Hole is Drilled
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