

WEST LEO

The West Leo is a 6th generation ultra-deepwater semisubmersible drilling rig with operational history offshore Africa.



| GENERAL (U.S.) | |
|-------------------------|---|
| Built | 2011 Jurong Shipyard Singapore |
| Design | Moss CS50 MKII |
| Flag/Class | Bahamas / DNV |
| Dimensions | 389 ft Long / 246 ft Wide |
| Draft | 77.1 ft Drilling / 32.3 ft Transit |
| Displacement | 65,000 st Drilling / 42,677 st Transit |
| Variable Load | 6,834 st Drilling / 6,283 st Transit |
| Accommodations | 192 Persons |
| Helideck | Sikorsky S92 |
| Max. Water Depth | 10,000 ft Designed / 10,000 ft Outfitted |
| Max. Drilling Depth | 35,000 ft |
| STATION KEEPING | |
| Dynamic Positioning | Kongsberg DP Class 3 |
| Thrusters | 8 x Rolls Royce Aquamaster 5,096 HP Azimuthing |
| Transit Speed | Up to 11.5 Knots |
| Mooring Lines | Harbor Mooring Only |
| Mooring Winches | Harbor Mooring Only |
| STORAGE CAPACITIES | |
| Fuel | 20,505 bbl |
| Drill Water | 9,435 bbl |
| Potable Water | 4,875 bbl |
| Active Liquid Mud | 2,252 bbl |
| Reserve Liquid Mud | 2,812 bbl |
| Brine / Base Oil | 6,887 bbl |
| Bulk Bentonite / Barite | 13,420 ft ³ |
| Bulk Cement | 13,420 ft ³ |
| Sack Storage | 7,000 Sacks |
| DRILLING PACKAGE | |
| Derrick | NOV 215 ft Tall with 80 ft x 52.5 ft Base 1,000 st Gross Nominal Capacity |
| Top Drive | 1 x NOV HPS 1000 2E-ACKT Rated for 1,000 st Hoisting Capacity, 1 x 1,150 HP AC Motors, Max. Continuous Torque 78,450 ft-lbs |

| Drawworks | 1 x NOV SSGD1000, 2" Drill Line 1000 st Hoisting Capacity |
|--------------------|---|
| Rotary Table | 1 x NOV 60.5" |
| Compensator | 1 x NOV Crown Mounted Rated for 500 st Compensated, 1,000 st Static |
| Tubular Handling | NOV Automated Hydraracker |
| Mud Pumps | 4 x NOV 14-P-220, 5-9" Liners, 2,200 HP |
| HP Mud System | Rated for 7,500 psi |
| Shale Shakers | 5 x Derrick DP-626, 1 x Derrick DP-626-3-20 |
| SUBSEA EQUIPMENT | |
| BOP | Shaffer 18 3/4" 6 RAM NXT 15,000 psi |
| Annular | 2 x Shaffer 18 3/4" 10,000 psi |
| Diverter | Shaffer Max. Bore 14" |
| Wellhead Connector | VETCO 15K, H4 Profile |
| Riser | Shaffer ft-h 75 ft Length 21" OD, 4.5" ID Boost Line |
| Tensioners | 6 x NOV N-Line 600 kips Maximum |
| CRANES | |
| Primary Cranes | 2 x Liebherr BOS 4200-100 Rated for 110 st at 72 ft Radius Internal Lift |
| POWER | |
| Main Engines | 8 x Rolls Royce Bergen Diesel in Four Engine Rooms 4 x 7728HP, 4 x 5147HP |
| Emergency Power | Covered By Main Engines 1 x Volvo D12 Diesel Cold Start Generator 375HP |

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The West Leo is a 6th generation ultra-deepwater semisubmersible drilling rig with operational history offshore Africa.



| GENERAL (METRIC) | |
|-------------------------|---|
| Built | 2011 Jurong Shipyard Singapore |
| Design | Moss CS50 MKII |
| Flag/Class | Bahamas / DNV |
| Dimensions | 118 m Long / 75 m Wide |
| Draft | 23.5 m Drilling / 9.85 m Transit |
| Displacement | 58,967 mt Drilling / 38,716 mt Transit |
| Variable Load | 6,200 mt Drilling / 5,700 mt Transit |
| Accommodations | 192 Persons |
| Helideck | Sikorsky S92 |
| Max. Water Depth | 3,048 m Designed / 3,048 m Outfitted |
| Max. Drilling Depth | 10,668 m |
| STATION KEEPING | |
| Dynamic Positioning | Kongsberg DP Class 3 |
| Thrusters | 8 x Rolls Royce Aquamaster 3,800 kW Azimuthing |
| Transit Speed | Up to 5.9 m/s |
| Mooring Lines | Harbor Mooring Only |
| Mooring Winches | Harbor Mooring Only |
| STORAGE CAPACITIES | |
| Fuel | 3,260 m ³ |
| Drill Water | 1,500 m ³ |
| Potable Water | 775 m ³ |
| Active Liquid Mud | 358 m ³ |
| Reserve Liquid Mud | 447 m ³ |
| Brine / Base Oil | 1,095 m ³ |
| Bulk Bentonite / Barite | 380 m ³ |
| Bulk Cement | 380 m ³ |
| Sack Storage | 7,000 Sacks |
| DRILLING PACKAGE | |
| Derrick | NOV 65.4 m Tall with 16.0 m x 15.0 m Base 907 mt Gross Nominal Capacity |
| Top Drive | 1 x NOV HPS 1000 Rated for 907 mt Hoisting Capacity, 1 x 860 kW AC Motors Max. Continuous Torque 106,364 nm |

| Drawworks | 1 x NOV Dreco SSGD1000 50.8 mm Drill Line 907 mt Hoisting Capacity |
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| Rotary Table | 1 x NOV 153 cm |
| Compensator | 1 x NOV Crown Mounted Rated for 454 mt Compensated, 907 mt Static |
| Tubular Handling | NOV Automated Hydraracker |
| Mud Pumps | 4 x NOV 14-P-220, 12.70-22.86 cm Liners, 1,640 kW |
| HP Mud System | Rated for 517 Bar |
| Shale Shakers | 6 x NOV VSM 300 |
| SUBSEA EQUIPMENT | |
| BOP | NOV 47.625 cm 6 RAM NXT 1,034 Bar |
| Annular | 2 x Shaffer DL 47.625 cm 689 Bar |
| Diverter | Shaffer Max. Bore 35.56cm |
| Wellhead Connector | VETCO 1,035 Bar, H4 Profile |
| Riser | Shaffer ft-h 22.86 m Length 53C m OD 10.16cm ID Boost Line |
| Tensioners | 6 x NOV N-Line 272mt Maximum |
| CRANES | |
| Primary Cranes | 2 x Liebherr BOS 4200-100 Rated for 100 mt at 22 m Radius Internal Lift |
| POWER | |
| Main Engines | 8 x Rolls Royce Bergen Diesel in Four Engine Rooms 4 x 5765 kW, 4 x 3840kW |
| Emergency Power | Covered By Main Engines 1x Volvo D12 Diesel Cold Start Generator 280kW |

