

## 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 <sup>3</sup>
Bulk Cement	13,420 ft <sup>3</sup>
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
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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
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### 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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### 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 <sup>3</sup>
Drill Water	1,500 m <sup>3</sup>
Potable Water	775 m <sup>3</sup>
Active Liquid Mud	358 m <sup>3</sup>
Reserve Liquid Mud	447 m <sup>3</sup>
Brine / Base Oil	1,095 m <sup>3</sup>
Bulk Bentonite / Barite	380 m <sup>3</sup>
Bulk Cement	380 m <sup>3</sup>
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
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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
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
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### 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 1 x Volvo D12 Diesel Cold Start Generator 280kW

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