

WEST EPSILON

The West Epsilon is a harsh environment independent Leg Cantilever Jackup with operational history in the North Sea.



GENERAL (U.S.)	
Built	1993 Fels
Design	MSC CJ62 S120 Independent Leg Cantilever
Flag/Class	Panama / DNV
Helideck	S61N & S92
Accommodations	120 Persons
Dimensions	256.6 ft Long / 296.3 ft Wide / 35.4 ft Deep
Draft	21.3 ft Transit
Displacement	24,244 st at Load Line
Variable Load	4,188 st Drilling
Max. Drilling Depth	25,591 ft
Max. Water Depth	Up to 393.7 ft
Legs	3 x 574.15 ft Triangular Lattice
Leg Spacing	203.4 ft Transverse / 176.2 ft Longitudinal
Spudcans	64.05 ft Diameter
Jacking System	BLM C170 18 Pinions/Leg
Mooring Winches	4 x Skagit JUW100 48.5 st Rated Pull
Mooring Lines	4 x 2.13" Diameter 2,133 ft Useful Length
Anchors	4 x Flipper Delta 8.8 st
STORAGE CAPACITIES	
Fuel	4,290 bbl
Drill Water	14,045 bbl
Potable Water	1,900 bbl
Active/Reserve Liquid Mud	5,296 bbl
Base Oil	1,786 bbl
Brine	1,786 bbl
Bulk Bentonite / Barite	9,180 ft ³
Bulk Cement	5,648 ft ³
Sack Storage	5,000 Sacks
DRILLING PACKAGE	
Cantilever Envelope	60 ft x 30 ft
Derrick	EMSCO BBS-160 160 ft Tall with 40 ft x 40 Ft Base 1,000 st Gross Nominal Capacity

Top Drive	VARCO TDS Rated for 749 st Hoisting Capacity Max. Continuous Torque 56,700 ft-lbs
Drawworks	EMSCO C3-Type II w/ 1-3/4" Drill Line Max. Line Pull 749 st
Rotary Table	EMSCO T4950-65 49.5" Max. Opening
Tubular Handling	VARCO Automated Pipe Handling
Mud Pumps	3 x EMSCO FC2200 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	4 x Thule VSM 300
POWER	
Main Engines	6 x Cat 3516 1,495 HP Diesel Engines
Main Generators	6 x Leroy Somer 1,495 HP
Emergency Power	1 x Caterpillar 1,500 HP Diesel Engine (Separate From 6 Main Engines)
WELL CONTROL	
BOP (LP)	Cameron Type U 21-1/4" 3 x RAM 5,000 psi 1 x Cameron Annular 21-1/4" 3,000 psi
BOP (HP)	Hydril 18 3/4" 4 x RAM 15,000 psi 1 x Hydril GX 18 3/4" Spherical Annular 10,000 psi
Diverter	VETCO Grey KFDJ 47" 500 psi
BOP Handling	4 x Neuhaus 66.12 st Hoist
Choke & Kill Manifold	WOM 15,000 psi
Conductor Tensioning	PH Hydraulics 4 x Lift Points Total Tension 264.5 st
CRANES	
Primary Cranes	Port FWD 1 x Liebherr 157 ft Boom 83 st @ 28.5 ft Port AFT 1 x Liebherr 121 ft Boom 37 st @ 30.2 ft STBD AFT 1 x Liebherr 140 ft Boom 55 st @ 26.9 ft
OTHER	
Harsh Environment	

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 22 July 2016.

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GENERAL (METRIC)	
Built	1993 Fels
Design	MSC CJ62 S120 Independent Leg Cantilever
Flag/Class	Panama / DNV
Helideck	S61N & S92
Accommodations	120 Persons
Dimensions	78.2 m Long / 90.3 m Wide / 10.8 m Deep
Draft	6.5 m Transit
Displacement	22,000 mt at Load Line
Variable Load	3,800 mt Drilling
Max. Drilling Depth	7,800 m
Max. Water Depth	Up to 120 m
Legs	3 x 175 m Triangular Lattice
Leg Spacing	62 m Transverse / 53.7 M Longitudinal
Spudcans	19.52 m Diameter
Jacking System	BLM C170 18 Pinions/Leg
Mooring Winches	4 x Skagit JUW100 46 mt Rated Pull
Mooring Lines	4 x 54 mm Diameter 650 M Useful Length
Anchors	4 x Flipper Delta 8 mt
STORAGE CAPACITIES	
Fuel	682 m ³
Drill Water	2,233 m ³
Potable Water	302 m ³
Active/Reserve Liquid Mud	842 m ³
Base Oil	284 m ³
Brine	284 m ³
Bulk Bentonite / Barite	260 m ³
Bulk Cement	160 m ³
Sack Storage	5,000 Sacks
DRILLING PACKAGE	
Cantilever Envelope	18.29 m x 9.14 m
Derrick	EMSCO BBS-160 48.8 M Tall with 12.2 m x 12.2 m Base 907 mt Gross Nominal Capacity

Top Drive	VARCO TDS Rated for 680 mt Hoisting Capacity Max. Continuous Torque 215 nm
Drawworks	EMSCO C3-Type II w/ 44.45 mm Drill Line Max. Line Pull 680 mt
Rotary Table	EMSCO T4950-65 1,257 mm Max. Opening
Tubular Handling	VARCO Automated Pipe Handling
Mud Pumps	3 x EMSCO 2200, 1,640 kW
HP Mud System	Rated for 7,500 psi
Shale Shakers	4 x Thule VSM 300
POWER	
Main Engines	6 x Cat 3516 1,100 kW Diesel Engines
Main Generators	6 x Leroy Somer 1,100 kW
Emergency Power	1 x Caterpillar 1,110 kW Diesel Engine (Separate From 6 Main Engines)
WELL CONTROL	
BOP (LP)	Cameron Type U 53.975 cm 3 x RAM 345 Bar 1 x Cameron Annular 53.975 cm 207 Bar
BOP (HP)	Hydril 47.625 cm 4 x RAM 1,034 Bar 1 x Hydril Gx 47.625 cm Spherical Annular 689.5 Bar
Diverter	VETCO Grey KFDJ 1,194 mm Max. Bore 34.5 Bar
BOP Handling	4 x Neuhaus 60 mt Hoist
Choke & Kill Manifold	WOM 1,034 Bar
Conductor Tensioning	PH Hydraulics 4 x Lift Points Total Tension 240 mt
CRANES	
Primary Cranes	Port FWD 1 x Liebherr 48 M Boom 75 mt @ 8.7 m Port AFT 1 x Liebherr 37 m Boom 34 mt @ 9.2 M STBD AFT 1 x Liebherr 42.6 M Boom 50 mt @ 8.2 M
OTHER	
Harsh Environment	

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