

West Freedom

The West Freedom is an independent Leg Cantilever Jackup with operational history in the Gulf of Mexico and offshore Venezuela.



GENERAL (U.S.)

Built	2009 Lamprell Sharja, UAE
Design	LeTourneau Super 116 E Independent Leg Cantilever
Flag/Class	Panama / ABS
Helideck	S61N & S92
Accommodations	105 Persons
Dimensions	243 ft Long / 206 ft Wide / 26 ft Deep
Draft	16.6 ft Transit
Displacement	13,420 st at LoadLine
Variable Load	2,146 st Transit / 3,757 st Drilling
Max. Drilling Depth	30,000 ft
Max. Water Depth	Up to 350 ft
Legs	3 x 477.47 ft Square Truss / 423 ft Useable Below Hull
Leg Spacing	142 ft Transverse / 129 ft Longitudinal
Spudcans	46 ft Diameter
Jacking System	LeTourneau 20 x Pinions/Leg
Mooring Winches	4 x NOV Amclyde JU-36 50 HP 25 st Pull
Mooring Lines	4 x 2,250 ft 1-1/2" Diameter IWRC
Anchors	4 x Franklin Delta Flipper 5 st

STORAGE CAPACITIES

Fuel	2,107 bbl
Drill Water	11,144 bbl
Potable Water	1,519 bbl
Active/Reserve Liquid Mud	3,765 bbl
Base Oil	972 bbl
Brine	972 bbl
Bulk Bentonite / Barite	7,000 ft3
Bulk Cement	5,250 ft3
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Cantilever Envelope	70 ft x 30 ft
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Derrick	Woolslayer 170 ft Tall with 32 ft x 35 ft Base 964.5 st Gross Nominal Capacity
Top Drive	LeTourneau Integrated DDTD 750 Rated for 750 st Hoisting Capacity
Drawworks	LEWCO LDW-1500K w/ 1-3/4" Drill Line Max. Line Pull 14 Lines of 750 st
Rotary Table	LeTourneau, 49.5" Max. Opening
Tubular Handling	NOV st-120 Iron Roughneck
Mud Pumps	3 x LEWCO W-2214, 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	5 x Brandt CM2

POWER

Main Engines	5 x Caterpillar 3516B HD 2,150 HP Diesel Engines
Main Generators	5 x KATO 2,011 HP
Emergency Power	1 x Caterpillar 3512 1,502 HP Diesel Engine (Separate From 5 Main Engines)

WELL CONTROL

BOP (LP)	Cameron Type U 21-1/4" 3 x RAM 5,000 psi 1 x Shaffer Spherical Annular 21-1/4" 5,000 psi
BOP (HP)	NOV Type U 13-5/8" 4 x RAM 15,000 psi 1 x Shaffer Spherical 13-5/8" 10,000 psi
Diverter	1 x VETCO Gray 49-1/2" 500 psi
BOP Handling	2 x J. D. Neuhaus EH-75, 82.6 st Hoists
Choke & Kill Manifold	WOM 15,000 psi
Conductor Tensioning	Hannon Hydraulics 4 x Lift Points Total Tension 150 st

CRANES

Primary Cranes	1 x LeTourneau 1-220SS 140 ft Boom Rated For 75 st at 32 ft Radius, Port FWD 2 x LeTourneau PCM120SS 120 ft Boom Rated for 41.6 st at 25 ft Radius, Port AFT, STBD
X-Mas Tree Handling	2 x J. D. Neuhaus EH-75, 82.6 st Hoists

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GENERAL (METRIC)

Built	2009 Lamprell Sharja, UAE
Design	LeTourneau Super 116 E Independent Leg Cantilever
Flag/Class	Panama / ABS
Helideck	S61N & S92
Accommodations	105 Persons
Dimensions	74.1 m Long / 62.8 m Wide /
Draft	7.9 m Deep
Displacement	5.06 m Transit
Variable Load	12,174 mt at LoadLine
Max. Drilling Depth	1,946 mt Transit / 3,408 mt Drilling
Max. Water Depth	9,144 m
Legs	Up to 106.7 m
Leg Spacing	3 x 145.5 m Square Truss / 129 m Useable Below Hull
Spudcans	43.3 m Transverse /
Jacking System	39.3 m Longitudinal
Mooring Winches	14 m Diameter
Mooring Lines	LeTourneau 20 x Pinions/Leg
Anchors	4 x NOV Amclyde JU-36 67 kW 22.7 mt Pull

STORAGE CAPACITIES

Fuel	335 m ³
Drill Water	1,772 m ³
Potable Water	241.5 m ³
Active/Reserve Liquid Mud	598.6 m ³
Base Oil	154.5 m ³
Brine	154.5 m ³
Bulk Bentonite / Barite	198 m ³
Bulk Cement	149 m ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Cantilever Envelope	21.3 m x 9.1 m
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Derrick	Woolslayer 39.6 m Tall with 9.8 m x 10.7 m Base 875 mt Gross Nominal Capacity
Top Drive	LeTourneau Integrated DDTD
Drawworks	750 Rated for 680.6 mt Hoisting
Rotary Table	Capacity
Tubular Handling	LEWCO LDW-1500K w/44.45 mm
Mud Pumps	Drill Line Max. Line Pull 14 Lines Of 680 mt
HP Mud System	LeTourneau, 1.257 m Max. Opening
Shale Shakers	NOV st-120 Iron Roughneck

POWER

Main Engines	5 x Caterpillar 3516B HD 1,603 kW Diesel Engines
Main Generators	5 x KATO 1,500 kW
Emergency Power	1 x Caterpillar 3512 1,120 kW Diesel Engine (Separate From 5 Main Engines)

WELL CONTROL

BOP (LP)	Cameron Type U 53.975 cm 3 x RAM 345 Bar 1 x Shaffer Spherical 53.975
BOP (HP)	NOV Type U 34.6075 cm 4 x RAM 1,034 Bar 1 x Shaffer Spherical 34.6075 cm 689 Bar
Diverter	1 x VETCO Gray 125.73 cm 34.47 Bar
BOP Handling	2 x J. D. Neuhaus EH-75, 75 mt Hoists
Choke & Kill Manifold	WOM 1,034 Bar
Conductor Tensioning	Hannon Hydraulics 4 x Lift Points Total Tension 136 mt

CRANES

Primary Cranes	1 x LeTourneau 1-220SS 42.67 m Boom Rated For 68.03 mt at 9.75 m Radius, Port FWD 2 x LeTourneau PCM120SS 36.6 m Boom Rated for 37.78 mt at 7.62 m Radius, Port AFT, STBD
X-Mas Tree Handling	2 x J. D. Neuhaus Eh-75, 75 mt Hoists

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