

WEST ARIEL

The West Ariel is an independent Leg Cantilever Jackup with operational history offshore west Africa.



GENERAL (U.S.)

Built	2008 Keppel FELS SY
Design	KFELS "B" Class Independent Leg Cantilever
Flag/Class	Bahamas / ABS
Helideck	S61N & S92
Accommodations	112 Persons
Dimensions	234 ft Long / 208 ft Wide / 25 ft Depth
Draft	16 ft Transit
Displacement	17,192 st at 16 ft
Variable Load	3,750 st
Max. Drilling Depth	30,000 ft
Max. Water Depth	Up to 400 ft
Legs	3 x 517 ft Triangular / 460 ft Useable Below Hull
Leg Spacing	142 ft Transverse / 129 ft Longitudinal
Spudcans	47 ft Diameter
Jacking System	Keppel 36 x Pinions 3 x Cords / Leg
Mooring Winches	4 x Brohl Electric
Mooring Lines	4 x 2,500 ft Length 1 1/2" Wire Rope
Anchors	4 x Flipper Delta 5.5 st

STORAGE CAPACITIES

Fuel	2,630 bbl
Drill Water	3,825 bbl
Potable Water	2,053 bbl
Active/Reserve Liquid Mud	3,497 bbl
Base Oil	662 bbl
Brine	855 bbl
Bulk Bentonite / Barite	6,000 ft ³
Bulk Cement	5,100 ft ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Cantilever Envelope	70 ft x 30 ft
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Derrick	Moore Woolslayer 160 ft Tall with 36 ft x 36 ft Base 750 st Gross Nominal Capacity
Top Drive	NOV TDS-8SA Rated for 750 st Hoisting Capacity Max. Continuous Torque 63,000 ft-lbs
Drawworks	NOV ADS-10t with 1-5/8" Drill Line
Rotary Table	NOV-RST, 49.5" Max. Opening
Tubular Handling	NOV AR3200 Iron Roughneck
Power Slips	NOV PS21
Mud Pumps	3 x LEWCO w-2215
HP Mud System	Rated for 7,500 psi
Shale Shakers	5 x Brandt/LCm-3D

POWER

Main Engines	5 x Cat 3516C-HD 2,150 HP Diesel Engines
Main Generators	5 x KATO @ 1,720 kW 10,750 Total HP
Emergency Power	1 x Cat 3508B HD 912 HP Diesel Engine (Separate from 5 Main Engines)

WELL CONTROL

BOP (Annular)	1 x CIW 18 3/4" 10,000 psi
BOP (RAM)	2 x Double RAM CIW 18 3/4" 15,000 psi
Diverter	1 x KFDJ 500 psi
BOP Handling	2 x Patriot 75 st Air Hoist
Choke & Kill Manifold	TechDrill 15,000 psi
Conductor Tensioning	250 st

CRANES

Primary Cranes	3 x Favco Diesel Hydraulic 120 Ft Boom Rated for 50 st @ 40 ft Radius & 12 st @ 120 ft
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WEST ARIEL

The West Ariel is an independent Leg Cantilever Jackup with operational history offshore west Africa.



GENERAL (METRIC)

Built	2008 Keppel FELS SY
Design	KFELS "B" Class Independent Leg Cantilever
Flag/Class	Bahamas / ABS
Helideck	S61N & S92
Accommodations	112 Persons
Dimensions	71.32 m Long / 63.4 m Wide / 7.62 m Depth
Draft	4.87 m Transit
Displacement	15,349 mt at 4.87 m
Variable Load	3,348 mt
Max. Drilling Depth	9,144 m
Max. Water Depth	Up to 121.9 m
Legs	3 x 157.58 m Triangular / 140.2 m Useable Below Hull
Leg Spacing	43.28 m Transverse / 39.32 m Longitudinal
Spudcans	14.32 m Diameter
Jacking System	Keppel 36 x Pinions 3 x Cords / Leg
Mooring Winches	4 x Brohl Electric
Mooring Lines	4 x 762 m Length 38.1 mm Wire Rope
Anchors	4 x Flipper Delta 5 mt

STORAGE CAPACITIES

Fuel	418 m ³
Drill Water	608 m ³
Potable Water	326 m ³
Active/Reserve Liquid Mud	556 m ³
Base Oil	105 m ³
Brine	136 m ³
Bulk Bentonite / Barite	170 m ³
Bulk Cement	144 m ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Cantilever Envelope	21.34 m x 9.14 m
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Derrick	Moore Woolslayer 48.8 m Tall by 10.97 m x 10.97 m Base 680 mt Gross Nominal Capacity
Top Drive	NOV TDS-8SA Rated for 680 mt Hoisting Capacity Max. Continuous Torque 85,416 nm
Drawworks	NOV ADS-10t w/ 41.275 mm Drill Line
Rotary Table	NOV-RST, 1,257.3 mm Max. Opening
Tubular Handling	NOV AR3200 Iron Roughneck
Power Slips	NOV PS21
Mud Pumps	3 x LEWCO w-2215
HP Mud System	Rated for 517.10 Bar
Shale Shakers	5 x Brandt/LCm-3D

POWER

Main Engines	5 x Cat 3516C-HD 1,603 kW Diesel Engines
Main Generators	5 x KATO @ 1,720 kW 8,016 Total kW
Emergency Power	1 x Cat 3508B HD 680 kW Diesel Engine (Separate from 5 Main Engines)

WELL CONTROL

BOP (Annular)	CIW 47.625 cm 689.5 Bar
BOP (RAM)	2 x Double RAM CIW 47.625 cm 1,034 Bar
Diverter	1 x KFDJ 34.5 Bar
BOP Handling	2 x Patriot 68 mt Air Hoist
Choke & Kill Manifold	TechDrill 1,034 Bar
Conductor Tensioning	223 mt

CRANES

Primary Cranes	3 x Favco Diesel Hydraulic 36.57 m Boom. Rated for 45.36 mt @ 12.19 m Radius & 10.88 mt @ 36.57 m
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