

AOD I

The AOD I is an independent Leg Cantilever Jackup with operational history in the Arabian gulf.



GENERAL (U.S.)

Built	2013 Keppel Fels
Design	Keppel's "B" Class Independent Leg Cantilever
Flag/Class	Panama / ABS
Helideck	S61N & S92
Accommodations	150 Persons
Dimensions	234 ft Long / 208 ft Wide / 25 ft Deep
Draft	16 ft Transit
Displacement	10,677 st at Load Line
Variable Load	2,250 st Transit / 3,750 st Drilling
Max. Drilling Depth	30,000 ft
Max. Water Depth	Up to 400 ft
Legs	3 x 517 ft Triangle / 460 ft Useable Below Hull
Leg Spacing	142 ft Transverse / 129 ft Longitudinal
Spudcans	47.2 ft Diameter
Jacking System	Keppel 36 x Pinions 3 x Cords / Leg
Mooring Winches	Removed
Mooring Lines	Removed
Anchors	Removed

STORAGE CAPACITIES

Fuel	3,000 bbl
Drill Water	3,600 bbl
Potable Water	2,052 bbl
Active/Reserve Liquid Mud	4,782 bbl
Base Oil	1,530 bbl
Brine	1,166 bbl
Bulk Bentonite / Barite	5,100 ft ³
Bulk Cement	6,000 ft ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Cantilever Envelope	70 ft x 30 ft
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Derrick	Moore Wool Slayer 160 ft Tall with 36 ft x 36 ft Base 750 st Gross Nominal Capacity
Top Drive	NOV TDS8-SA Rated for 750 st Hoisting Capacity Max. Continuous Torque 62,250 ft-lbs
Drawworks	VARCO ADS-10T w/1-5/8" Drill Line Max. Line Pull 14 Lines of 1.5 Hook Load
Rotary Table	NOV-495, 49.5" Max. Opening
Tubular Handling	NOV AR-3200 Iron Roughneck NOV st-120 Iron Roughneck
Mud Pumps	3 x LEWCO w-2214, 2,200 HP
HP Mud System	Rated for 7,500 psi

WELL CONTROL

BOP (LP)	Cameron Type U 26 3/4" 3 x RAM 3,000 psi 1 x Shaffer Spherical Annular 30" 1,000 psi
BOP (HP)	Cameron Type TL 18 3/4" 4 x RAM 15,000 psi 1 x Cameron Type DL 18 3/4" 10,000 psi
Diverter	1 x Drill Quip 49.5" 500 psi
BOP Handling	2 x Ingersoll-Rand 82 st Hoist
Choke & Kill Manifold	NOV 15,000 psi
Conductor Tensioning	Icon Type 250 st

CRANES

Primary Cranes	3 x Favco Diesel Hydraulic 120 ft Boom Rated for 50 st @ 40 ft Radius & 12 st @ 120 ft
Xmas Tree Handling	2 x Ingersoll-Rand 82.6 st Hoist

POWER

Main Engines	5 x Cat 3516C-HD 2,150 HP Diesel Engines
Main Generators	5 x Baylor @ 1,720 kW 10,750 Total HP
Emergency Power	1 x Cat3508B HD 912 HP Diesel Engine (Separate from 5 Main Engines)

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GENERAL (METRIC)

Built	2013 Keppel Fels
Design	Keppel's "B" Class Independent Leg Cantilever
Flag/Class	Panama / ABS
Helideck	S61N & S92
Accommodations	150 Persons
Dimensions	71.3 m Long / 63.4 m Wide / 7.6 m Deep
Draft	4.9 m Transit
Displacement	9,686 mt at Load Line
Variable Load	2,041 mt Transit / 3,401 mt Drilling
Max. Drilling Depth	9,144 m
Max. Water Depth	Up to 121.9 m
Legs	3 x 157.6 m Triangle / 140.2 m Useable Below Hull
Leg Spacing	43.3 m Transverse / 39.3 m Longitudinal
Spudcans	14.3 m Diameter
Jacking System	Keppel 36 x Pinions 3 x Cords/Leg
Mooring Winches	Removed
Mooring Lines	Removed
Anchors	Removed

STORAGE CAPACITIES

Fuel	477 m3
Drill Water	572 m3
Potable Water	326 m3
Active/Reserve Liquid Mud	760 m3
Base Oil	243 m3
Brine	185 m3
Bulk Bentonite / Barite	144 m3
Bulk Cement	170 m3
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Cantilever Envelope	21.3 m x 9.1 m
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Derrick	Moore Wool Slayer 48.76 m Tall with 11 m x 11 m Base. 680 mt Gross Nominal Capacity
Top Drive	NOV TDS8-SA Rated for 680 mt Hoisting Capacity. Max. Continuous Torque 84,399 nm
Drawworks	VARCO ADS-10t w/ 32 cm Drill Line. Max. Line Pull 14 Lines of 1.5 Hook Load
Rotary Table	NOV-495, 125.73 cm Max. Opening
Tubular Handling	NOV AR-3200 Iron Roughneck 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 VSM 300

WELL CONTROL

BOP (LP)	Cameron Type U 67.945 cm 3 x RAM 207 Bar 1 x Shaffer Spherical Annular 76.2 cm 69 Bar
BOP (HP)	Cameron Type TL 47.625 cm 4 x RAM 1,034 Bar. 1 x Cameron Type DL 47.625 cm 689 Bar
Diverter	1 x Drill Quip 125.73 cm 500 psi
BOP Handling	2 x Ingersoll-Rand 75 mt Hoist
Choke & Kill Manifold	NOV 1,034 Bar
Conductor Tensioning	Icon Type 230A

CRANES

Primary Cranes	3 x Favco Diesel Hydraulic 36.6 m Boom. Rated for 45.35 mt @ 12.2 m Radius & 10.88 mt @ 36.6 m
Xmas Tree Handling	2 x Ingersoll-Rand 75 mt Hoist

POWER

Main Engines	5 x Cat 3516C-HD 2,150 HP Diesel Engines
Main Generators	5 x Baylor @ 1720 kW 10,750 Total HP
Emergency Power	1 x Cat3508B HD 912 HP Diesel Engine (Separate from 5 Main Engines)

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MAIN PARTICULARS:

- VESSEL LENGTH = 234 FT
- VESSEL WIDTH = 208 FT
- VESSEL DEPTH AT SIDE = 25 FT
- COMPLEMENT = 150 MEN
- LEG LENGTH = 517 FT

