

OBERON

The Oberon is an independent Leg Cantilever Jack Up
with operational history in the Gulf of Mexico



GENERAL (U.S.)

Built	Dalian Shipyard, China / 2013
Design	F&G JU2000E
Jack-up Type	Independent Leg Jack-Up
Major Upgrades	Nil
Flag	Singapore
Classification	ABS
Class notations	+A1 Self Elevating Drilling Unit

MAIN DIMENSIONS/TECHNICAL

Length x Breadth	231 ft x 250 ft
Transit Draft	21 ft
Leg Length	547 ft
Usable Leg Below Hull	479 ft
Leg Spacing	156.2 ft Transverse / 150 ft Longitudinal
Spudcan Diameter	59 ft
Design Water Depth	400 ft
Min. Water Depth	N/A
Drilling Depth	35,000 ft
Drilling Envelope	75 ft x 30 ft
Variable Load	6,600kips Transit / 14,500 kips Drilling
Helideck	S92
Helideck Compliance	MODU Code
Accommodation	140

STORAGE CAPACITIES

Fuel	4,041 bbls
Drill Water	8,292 bbls
Potable Water	3,425 bbls
Liquid Mud	4,337 bbls
Base Oil	1,340 bbls
Brine	1,340 bbls
Bulk Bentonite / Barite	9,888 cu ft
Bulk Cement	9,888 cu ft
Sack Storage	5,000 Sacks

DRILLING EQUIPMENT

Derrick	40 ft x 40 ft x 170 ft
Hookload	2,000 kips
Drawworks	SSGD-1000 AC 6,000 HP
Racking Capacity	29,525 ft Total Length
Top Drive	NOV TDS 1000A 63,000 ft Cont Torque @ 94 RPM
Pipe Handling	PH-100
Iron Roughneck	NOV MPT-200 Hydratong
Rotary Table	RST 49.5"
Power Slips	NOV PS-21
Autodriller	Yes
Driller Instrumentation	NOV Cyberbase

WELL CONTROL

BOP	Shaffer 18-3/4" 10K ADOP / Shaffer 18-3/4" 15K 2 xDRAM
Diverter	Vetco Gray 49.5 KFDJ 500 psi
C&K Manifold	15K psi
BOP Hoist	TSC BOP Handling Capacity of 137 st
Conductor Tensioner	600 kips

MUD SYSTEM

Mud Pumps	3 x NOV 14-P-220
Pressure Rating	7,500 psi
Shale Shakers	5 x Brandt VSM300

LIFTING EQUIPMENT

Deck Crane	3 x Amclyde Model KP-72
Main Block Rating	82.5 st (SWL)
Whip Line Rating	14.9 st

OFFLINE ACTIVITY CAPABILITY

2 x Mouseholes, NOV ARN-200 Standbuilding, Racking of 13-3/8" Casing Offline

POWER

Main Engines	6 x Cat 3516 C-HD
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Further information: +52 938 120 2423

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Main Generators	6 x Cat @ 1,530 kW
Total Power	9,180 kW
Emergency Power	1 x Cat C32 @ 900 kW

OTHER FEATURES

Jacking with 100% Preload, Dual Mud System, Coring Caisson 12",
Knuckle Boom Crane for Horizontal Pipe Handling

GENERAL (METRIC)

Built	Dalian Shipyard, China / 2013
Design	F&G JU2000E
Flag/Class	Singapore / ABS
Helideck	S92
Accommodations	140 Persons
Dimensions	70.4 m Long / 76 m Wide / 9.4 m Deep
Draft	6.7 m Transit
Displacement	22,995 mt at LoadLine
Variable Load	3,300 mt Transit / 7,250 mt Drilling
Max. Drilling Depth	10,668 ft
Max. Water Depth	Up to 121.9 ft
Legs	3 x 145 m Triangular Truss / 146 m Longitudinal
Leg Spacing	47.6 m Transverse / 45.7 m Longitudinal
Spudcans	18 m Diameter
Jacking System	F&G, 18 x Pinions/Leg
Mooring Winches	4 x Pellegrini AT40000/E, 89.5 kW 40 mt Pull
Mooring Lines	4 x 914.4 m 50.8 mm Diameter IWRC
Anchors	4 x Chongqing Penxiang- Delta HHP 7.5 mt

STORAGE CAPACITIES

Fuel	643 m ³
Drill Water	1,318 m ³
Potable Water	545 m ³
Liquid Mud	813 m ³
Base Oil	213 m ³
Brine	213 m ³
Bulk Bentonite / Barite	280 m ³
Bulk Cement	280 m ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Cantilever Envelope	22.9 m x 9.1 m
Derrick	NOV Drecto 51.8 m tall with 12.2 m x 12.2 m base 952.5 mt gross nominal capacity
Top Drive	NOV TDS-1000 rated for 907.2 mt hoisting capacity Max. continuous torque 84,400 NM @ 94 rpm
Drawworks	SSDG-1000 AC 4474.2 kW w/ 50.8mm dill line Max. line pull 14 lines of 792.4 mt
Rotary Table	NOV RST 495 3G, 1.26 m Max. opening
Tubular Handling	NOV Hydratong-MPT-200 Iron Roughneck
Mud Pumps	3 x NOV 14-P-220, 1640.5 kW
HP Mud System	Rated for 517 bar
Shale Shakers	5 x Brandt VSM 300

POWER

Main Engines	6 x Caterpillar 3516C HD 1,603 Kw Diesel Engines
Main Generators	6 x Caterpillar SR4B 1,534 HP
Emergency Power	1 x Caterpillar C-32 900 kW Diesel Engine (Separate from 6 main engines)

WELL CONTROL

BOP (HP)	NOV Shaffer 47.62 4x RAM 1,034.2 bar, 1x NOV Shaffer Spherical 47.62cm, 689.5 Bar
Diverter	1 x KFDJ Vector Gray Spherical 125.7cm, 34.5 Bar
BOP Handling	2 x TSC 124.3 mt hoist
Choke & Kill Manifold	NOV 1,034.2 Bar
Conductor Tensioner	TSC 8 x lift points total tension 272.2 mt

CRANES

Primary Cranes	3 x NOV Amclyde KP-72 36.5 ft boom rated for 35 mt at 38.4 m radius, PORT, STBD FWD and STBD AFT.
X-Mas Tree Handling	2 x TSC 124.3 mt hoist.

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