



VALARIS MS-1

(ENSCO MS-1)

F&G ExD Millenium Semi Submersible • Year in Service: 2011

DESIGN

Design:
F&G ExD Millennium

Flag State:
Liberian

Shipyards Delivery
2011

Drilling Systems:
NOV

Shipyards:
Jurong Shipyards Singapore

Subsea Systems:
Hydril

Classification Agency:
ABS

PROPULSION & POWER

DP Class:
Moored

Emergency Power:
1,854 hp

Mooring Winches:
(4) Amclyde Model CTW362/52

Main Engines:
(4) Caterpillar C280-16, 5060 kW each

DRILLING EQUIPMENT

Derrick:
2,000,000 lbs

Rotary Table:
(1) 60 1/2"

Top Drives
(1) NOV TDS-1000A

Motion Compensator:
Incorporated in with Active Heave Drawworks

Drawworks:
(1) NOV AHD 1,000

Iron Roughnecks:
(2) NOV ST-120

GENERAL SPECIFICATIONS

Pontoons
354Lx 66W x 28ft

Columns
(4) columns, 52ft

Main Deck elevation
above baseline
118ft

Rated Max. Water Depth
8,200ft

Moonpool Opening
140ft x 34ft

Max. Drilling Depth
40,000ft

Variable Deck Load
8,500 T

Heliport
EH101 Helicopters

Accommodations
200 persons

Changes / modifications to the above listed equipment could occur.

Maximum Water Depth denotes the designed rating, pending site specific assessment.

Should you have specific questions, please contact the Marketing Department at: marketing@valaris.com



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■ CAPACITIES

Diesel Fuel Oil
8,890 bbl

Drillwater
19,512 bbl

Liquid Mud
15,950 bbl

Bulk Storage
Barite: 379 m³
Cement: 379 m³

Fresh Water
10,900 bbl

Base Oil
5,260 bbl

Brine/Completion Fluid
3,102 bbl

■ WELL CONTROL & MUD SYSTEM

Mud Pumps
(4) Lewco W-2215, 2200 hp each

Mud System Pressure
7,500 psi

Shale Shakers
(6) Derrick Dual Pools

BOP Stack #1
18 3/4" 15,000 psi (5) ram stack with
(2) 18 3/4" 10,000 psi annulars

Control System
Hydril Mux

Diverter
60" 500 psi

Choke Manifold
15,000 psi with 2 adjustable chokes
and 2 power chokes

■ RISER SYSTEMS

Riser
21" OD Aker clip riser, 75ft each

Riser Tensioning
(6) NOV AS DRTS N-Line 600 kip each

Riser Length
8500ft

Riser Handling
(1) ODS Riser Gantry Crane 2x25-75

■ HANDLING SYSTEMS

Cranes
(2) Seatrax Series 108

Tubular Handling
Catwalk, Tubular GC, hydrarackers

BOP Handling
(2) 125 MT overhead ganty crane
hooks, (2) ODS skid carts 250 T each

Xmas Tree Handling
(1) ODS Xmas Tree carrier 700 MT

Additional
(1) ODS BOP underhull guidance
system

■ LIFESAVING SYSTEMS

Lifeboats
(6) 70 person

Rescue Boat
(1) 144 hp

REVISED 7/2019

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