## VALARIS MS-1
(ENSCO MS-1)

### DESIGN
- **Design:** F&G ExD Millennium
- **Flag State:** Liberian
- **Shipyard Delivery:** 2011
- **Shipyard:** Jurong Shipyard Singapore
- **Classification Agency:** ABS

### GENERAL SPECIFICATIONS
- **Pontoon:** 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

### 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 ½˝
- **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

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
## 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

- **Diverter**
  60” 500 psi

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

- **BOP Stack #1**
  18 ¾˝ 15,000 psi (5) ram stack with (2) 18 ¾˝ 10,000 psi annulars

- **Control System**
  Hydril Mux

## 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

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