VALARIS 8504
(ENSCO 8504)

**DESIGN**
- Design:
  - Enso 8500 Series
- Flag State:
  - Liberian
- Shipyard Delivery
  - 2011
- Shipyard:
  - KFELS Singapore
- Classification Agency:
  - ABS

**PROPELLION & POWER**
- DP Class:
  - DP-2
- Emergency Power:
  - 1,476 hp
- Mooring Winches:
  - (4) Broehl 460,000 lbs
- Thrusters:
  - (8) Flowserve-Pleuger Azimuthing, 3,500 hp each
- Main Engines:
  - (7) EMD 20-710-G7C 25,742 kW total

**DRILLING EQUIPMENT**
- Derrick:
  - 2,000,000 lbs
- Rotary Table:
  - (1) 60 ½”
- Top Drives
  - (1) NOV TDS-1000A
- Motion Compensator:
  - CMC H-1000-25
- Drawworks:
  - (1) NOV ADS-30Q 6,000 hp
- Iron Roughnecks:
  - (1) NOV ST-120

**GENERAL SPECIFICATIONS**
- Pontoon:
  - 310L x 56W x 24ft
- Columns:
  - (4) columns, 45ft x 50ft
- Main Deck elevation above baseline:
  - 97ft
- Rated Max. Water Depth:
  - 8,500ft
- Moonpool Opening:
  - 30ft x 120ft
- Max. Drilling Depth:
  - 35,000ft
- Variable Deck Load:
  - 8,000 T
- Heliport:
  - Sikorsky S61 or S92
- Accommodations:
  - 150 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
### CAPACITIES

- **Diesel Fuel Oil**
  - 16,700 bbl

- **Drillwater**
  - 14,000 bbl

- **Liquid Mud**
  - 16,250 bbl

- **Bulk Storage**
  - Barite: 382 m³
  - Cement: 382 m³

- **Fresh Water**
  - 1,570 bbl

- **Base Oil**
  - 1,704 bbl

- **Brine/Completion Fluid**
  - 2,130 bbl

### WELL CONTROL & MUD SYSTEM

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

- **Mud System Pressure**
  - 7,500 psi

- **Diverter**
  - 60˝ 500 psi

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

- **Shale Shakers**
  - (6) Derrick FLC-514, 900 gpm each

- **BOP Stack #1**
  - 18 ¾˝ 15,000 psi (6) ram stack with (2) 18 ¾˝ 10,000 psi annulars

- **Control System**
  - Hydril Mux

### RISER SYSTEMS

- **Riser**
  - 21˝ OD Dril Quip flanged riser, 75ft each

- **Riser Tensioning**
  - (10) NOV Hydralift, 250,000 lbs each

- **Riser Length**
  - 8500ft

- **Riser Handling**
  - (1) NOV Riser Gantry Crane 2x27-75

- **Riser**
  - 21˝ OD Dril Quip flanged riser, 75ft each

### HANDLING SYSTEMS

- **Cranes**
  - (2) Seatrax 160ft boom, 97 T

- **Tubular Handling**
  - Catwalk, HTV, bridge racker, racking guide arm, and utilizes GC for deck handling

- **BOP Handling**
  - (1) NOV BOP Carrier rated 400 MT for BOP & 750 MT for Riser Hangoff

- **Xmas Tree Handling**
  - (1) NOV Xmas Tree carrier 150 MT

- **Additional**
  - (1) NOV Xmas Tree Skid

### LIFESAVING SYSTEMS

- **Lifeboats**
  - (4) 75 person

- **Rescue Boat**
  - (1) 160 hp

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