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**VALARIS DS-4**

**DESIGN**
- Design: Samsung 96k Drillship
- Shipyard Delivery: 2010
- Shipyard: Samsung Heavy Industries, Geoje, South Korea
- Classification Agency: ABS

**PROPELLION & POWER**
- DP Class: DPS-3
- Main Engines: (6) Man B&W 8,000 kW
- Emergency Power: 1,700 kW
- Thrusters: (6) Rolls-Royce azimuthing type, 5.5 MW each

**DRILLING EQUIPMENT**
- Derrick: NOV Dynamic Derrick 2,000,000 lbs
- Top Drives
  - Main: NOV HPS 1000, 1,000 T
  - Aux: NOV HPS 1000, 1,000 T
- Drawworks
  - Main: NOV Dreco SSGD- 1000 st, 5,750 hp
  - Aux: NOV Dreco SSGD- 1000 st, 5,750 hp
- Rotary Table
  - Main: 75½˝, 1,000 T
  - Aux: 60½˝, 1,000 T
- Motion Compensator
  - Main: NOV CMC-1000-25 Heave Motion Compensator; CMC/AHC-1000/25T-25 Active Heave Motion Compensator
  - Aux: NOV CMC-1000-25 Heave Motion Compensator; CMC/AHC-1000/25T-25 Active Heave Motion Compensator
- Iron Roughnecks
  - (2) 3½˝ - 20˝

**GENERAL SPECIFICATIONS**
- Length Overall: 751.3ft
- Breadth: 137.8ft
- Depth at Side: 62.3ft
- Draft (Max. Operating): 39.3ft
- Displacement: 96,000 MT
- Rated Max. Water Depth: 12,000ft
- Moonpool, Opening at Baseline: 41ft x 84ft
- Max. Drilling Depth: 40,000ft
- Variable Deck Load: 20,000 MT
- Heliport: Sikorsky S61 / Augusta-Westland EH101 helicopters
- Accommodations: 200 persons
**CAPACITIES**

- **Diesel Fuel Oil**
  34,500 bbl

- **Drillwater**
  16,300 bbl

- **Liquid Mud**
  15,000 bbl

- **Bulk Storage**
  - Barite: 452 m³
  - Cement: 532 m³

- **Fresh Water**
  8,100 bbl

- **Base Oil**
  2,800 bbl

- **Brine/Completion Fluid**
  7,000 bbl

**WELL CONTROL & MUD SYSTEM**

- **Mud Pumps**
  (4) 14-P-220, 2,200 hp

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

- **Shale Shakers**
  (6) Axiom AX-1

- **BOP Stack #1**
  (2) 10,000 psi Annulars
  (6) ram 15,000 psi BOP

- **BOP Stack #2**
  Single Stack

- **Choke Manifold**
  15,000 psi upstream, 10,000 psi downstream, H₂S rated, (2) auto, (2) manual, (1) by-pass choke design

**RISER SYSTEMS**

- **Riser**
  GE Vetco MR-6H SE 3.5m lbs,
  21 ¼” OD, 75 ft joints

- **Riser Tensioning**
  (16) 225,000 lbs each,
  3,600,000 lbs total

- **Riser Length**
  8,550ft

- **Riser Handling**
  (1) riser gantry crane
  (1) 45 MT riser catwalk machine
  with tailing arm

**HANDLING SYSTEMS**

- **Cranes**
  (3) 85 MT; (1) 165 MT AHC, (1) 10 MT
  (helideck service crane)

- **Tubular Handling**
  (1) NOV Piperack handler, (1) HTV,
  (2) Hydrackers 3½” to 20”

- **BOP Handling**
  (1) 440 MT Hydralift Overhead
  Crane with (1) Hydralift Moon pool
  Cart rated 460 MT

- **Xmas Tree Handling**
  (2) 120 MT Xmas tree skids

- **Additional**
  (1) 120 MT Xmas tree carrier

**LIFESAVING SYSTEMS**

- **Lifeboats**
  (6) 70 persons

- **Rescue Boat**
  (1) davit launched

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