



EnSCO Brazil  
Av. Rio Branco, 181 / 26 andar  
Rio de Janeiro  
Cep: 20.040.007 - Brasil  
Phone: 55.21.2262.4074  
Fax: 55.21.2262.3984  
E-mail:  
www.enscoplc.com



## ENSCO 7500

### GENERAL INFORMATION

**Flag** Liberian  
**Previous Name(s)** \_  
**Year Built** 2000  
**Builder** TDI Halter Marine - Orange, Texas  
**Design** DPS-2  
**Classification** A. B. S. Maltese Cross A1 Column Stabilized Drilling Unit

---

### MAIN DIMENSIONS

**Pontoons** 50' x 24' x 290'  
**Moon Pool** 20' x 80'  
**Columns** 50' x 35'  
**Keel to Main Deck** 93' 0"  
**Main Deck** 240' W x 220' L

---

### MACHINERY

**Main Power** (6) EMD 20-10G7B/EMDEC - 5,000HP/each; (6) Baylor 8855YNB - 506, 3,580 KW generator  
**Power Distribution** SCR: Thrusters, (8) DW3000-6, 3,400 ADC, 750 VDC; SCR: (12) DW1400-6, 1,500 ADC, 750 VDC  
**Emergency Power** (1) Cat 3512B, 1,476 HP  
**Thrusters** (8) Schottel SRP 2020, 3,000 HP/each

---

### OPERATING PARAMETERS

**Water Depth** 8,000'  
**Maximum Drilling Depth** 30,000'  
**Air Gap** 33' @ 60' drilling draft  
**Transit Speed** 3.5 knots @ 45' draft  
**Variable Drilling Loads** 6,300 t  
**Operating Conditions** 6,300 s. tons @ 60'  
**Survival Conditions** 6,300 s. ton @ 40'  
**Transit Conditions** 3,500 s. ton @ 24'

---

### DRILLING EQUIPMENT

**Derrick** Dreco 170' x 46' x 40'; 1,928,000 lb gross nominal capacity; 1,500,000 lb static hook load  
**Drawworks** National 1625-UBDE, 3,000 HP; Dretch 15050 Elmagco brake  
**Rotary** Varco RST 605 hydraulic, 60 1/2" opening, 1,000 ton, driven by (4) HT hydraulic motors 10-950  
**Top Drive** VARCO TDS 8 SA, Rated Capacity: 750 tons, Rated WP: 7,500 psi, Driven by: GEB20 AC Motor, Output Power: 1200 HP, Drilling Torque: 65,500 ft/lbs, Max RPM:270, Make up/Break out Torque: 100,000 ft/lbs  
**Drill String Compensator** Maritime hydraulic, 1000K CMC  
**Travelling Block** Dreco, 7-60TB-750, 750 ton  
**Pipe Handling** Varco PRS-3i pipe-racker, AR4000 iron roughneck, PS30 slips, BX4 & BX5 elevators  
**Cementing** Schlumberger  
**Mud Pumps** (3) National 14-P-220, triplex, GE 752; (1) Lewco W446, 320 HP AC riser booster

### HOISTING EQUIPMENT

**Deck Cranes:** (1) Dreco 72DNS 140, (1) Dreco 72DNS 160  
**Riser Gantry Crane:** (1) 106' span, 44 ton gantry crane

---

### CAPACITIES

**Active Mud Pits** 3,625 bbls  
**Reserve Liquid Mud Storage** 8,550 bbls  
**Bulk Mud/Cement** 20,118 cu. ft.  
**Sacks** 8,000 sacks  
**Drill Water** 8,334 bbls  
**Potable Water** 1,066 bbls  
**Fuel Oil** 16,414 bbls

---

### WELL CONTROL SYSTEMS

**BOP** (6) Ram Hydril 18 3/4" 15 M; dual Hydril GX annular 18 3/4" 10M; (1) Cameron HC 18 3/4" 10 M LMRP connector; (1) Vetco 18 3/4" 15M wellhead connector  
**BOP Handling** 700,000 lb BOP cart and elevator, 650,000 lb Xmas tree cart  
**Control System** 5,000 psi Hydril MUX  
**Riser Details** Drill-Quip 21" 2.5 m flanged - 85% Buoyant; 4 1/2" ID C/K lines - 4" ID Booster line; Dual 2 7/8" ID hydraulic conduit lines  
**Riser Tensioner** (8) Retsco, 250 kips / each  
**Diverter** Drill-Quip FDS, 60", 500 psi  
**Drill Pipe** 5 7/8", 26.41 ppf, S-135, Range 2; 5 7/8", 27.8 ppf, S-135, Range 3; 5 7/8", 46.4 ppf, S-135, Range 2 Landing String; Hevi-Weight: 5 7/8", 57.42 ppf, HW-95, all with XT 57  
**Drill Collars** 9 1/2"; 8 1/4", 6 3/4"  
**Choke and Kill Manifold** WOM 3 1/16" x 15 M psi valves with Power Chokes dual hydraulic chokes

---

### MOORING

**Winches** (8) Skagit WMD-52, 3 1/4"  
**Wire** K4 chain - 1,000' chain  
**Anchors** (4) Vryhof Stevpris MK5, 10 ST

---

**HELIDECK** Sikorsky S-61 or S-92, 73' diameter, CAP 437

**ACCOMODATION** 140 berths

---

### ADDITIONAL DATA

**Mud cleaning facilities:** (5) Brandt LCM-3D Cascade, 5.9G's; (1) Brandt King Cobra 24/3 Mud Conditioner; (2) Brandt DG-10 vacuum type  
**Sewage treatment:** (2) Omnipure units: (1) MX12 and (1) MX15; single point discharge