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## ENSCO DS-1

### GENERAL INFORMATION

**Flag** Bahamas  
**Previous Name(s)** Pride Africa  
**Year Built** 1999  
**Builder** Hyundai Mipo Dockyard (Korea)  
**Design** Gusto 10000, Self Propelled Dynamically Positioned Deepwater Drilling Vessel  
**Classification** DNV X 1A1 – Ship Shaped Drilling Unit – DYNPOS AUTR – LCS (DIS), IMO MODU CODE 1989

### MAIN DIMENSIONS

**Length** 680.12 ft  
**Breadth** 98.43 ft  
**Depth** 62.66 ft

### MACHINERY

**Main Power** 6 x Wartsila Vasa 12V-32LNE 6,610hp main engines, each driving 1 x Leroy Somer 6,700kVA, 6,600 V ac generator  
**Power Distribution** Hyundai & Merlin Gerin  
**Emergency Power** 1 x Caterpillar 3516 B DITA diesel engine driving 1 x Hyundai 2,250 kVA, 450 V ac generator

### OPERATING PARAMETERS

**Water Depth** 10,000 ft (design) 6,000 ft (outfitted)  
**Maximum Drilling Depth** 31,500 ft  
**Transit Speed** 12 knots typical

### DRILLING EQUIPMENT

**Derrick** Joseph Paris 180 x 48 x 48 ft, 725 mt static hook load capacity with 14 lines, 650 mt setback  
**Drawworks** Dresco SSGB 750 GE, 4,600 hp  
**Rotary** National D-605, 60 ½ in. opening, powered by 1 x GEB-22A1 electric AC motor  
**Top Drive** CanRig AC-1275-681, hoisting rated capacity 680 mt, drilling rated capacity 544 mt, 51,400 ft.lbs at 120 rpm, swivel 7,500 psi WP  
**Cementing** 10,000psi WP  
**Mud Pumps** 4 x National 12-P-160; 1,600hp rating each, 5,000psi WP

### HOISTING EQUIPMENT

**Cranage** 1 x Liebherr CBO 2600-50 litronic, elec/hydraulic; 50 mt @ 4m, with 34m boom  
1 x Liebherr CBO 2600-50 litronic, elec/hydraulic; 50 mt @ 4m, with 30m boom  
1 x Liebherr S50 / 28, elec/hydraulic; 50 mt @ 4m, with 30m boom

### CAPACITIES

**Variable Deck Load** Drilling: 17,700 mt  
**Liquid Mud** 3,615 bbls  
**Bulk Mud/Cement** 19,918 ft3  
**Sacks** 8,800 sacks  
**Drillwater** 5,055 bbls  
**Potable Water** 3,981 bbls  
**Brine Storage** 10,094 bbls  
**Base Oil Capacity** 1,736 bbls  
**Fuel Oil** 33,343 bbls

### WELL CONTROL SYSTEMS

**BOP** ABB-Vetco SHD-H4 well head connector 18-3/4 in 10,000psi WP; 2 x Cameron double units type TL 18-3/4 in, 10,000 PSI WP with "Hydraulic operated integral ramlock" Shear ram bonnets equipped with tandem boosters, 1x Shaffer 18-3/4 in x 5,000psi annular; 1 x LMRP: ABB-Vetco connector model H4-HAR 18-3/4 in 10,000psi WP; 1x Shaffer 18-3/4 in x 5,000psi annular; H2S service.  
**BOP Handling** 1 x MOS elevator type BOP carrier, 250 mt; 1 x MOS BOP gantry crane, 2 x 90 mt; 1 x Kangnam Machine Industry Co. X-mas tree carrier, rated test stump 75 mt, rated casing support frame 100 mt 1 x Dreggen X-mas tree overhead crane, 2 x 42.5 mt  
**Control System** Cameron Control Multiplex System  
**Diverter** ABB-Vetco KFDS-500-CSO 500 psi WP with 2 x 12 in overboard lines, flow line outlet 18 in, H2S service.  
**Choke and Kill** 3-1/16 in, 10,000psi WP

**HELIDECK** Sikorsky S-92, Load capacity 12.8 mt  
**ACCOMMODATION** 162 persons