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## ENSCO 87

### GENERAL INFORMATION

**Flag** U.S.  
**Previous Name(s)** Penrod 87  
**Year Built** 1982  
**Builder** Marathon LeTourneau , Vicksburg, Mississippi  
**Upgrade** 2006  
**Design** Marathon LeTourneau 116-C Jack up  
**Classification** A. B. S.

### MAIN DIMENSIONS

**Length** 243' – 1"  
**Breadth** 200' – 6"  
**Depth** 26'  
**Legs** 3 x 477' Square Truss  
**Leg Spacing** Longitudinal leg centers 129'; transverse leg centers 142'  
**Cantilever** Maximum 60' overhang from stern to rotary centerline; maximum 12' rotary displacement to either side of longitudinal centerline; drilling pattern length 60', width 24'  
**Spud Cans** 46' diameter x 24' high  
**Deck Area** \_

### DRAFT AND DISPLACEMENT

**Transit Draft** 16'  
**Transit Displacement** 23,442.50 kips

### MACHINERY

**Main Power** 4 x EMD 12-645-E8 engines, 6,400 HP; 4 x EMD AB20-6, 1,180 KW, 600 V generators  
**Power Distribution** Baylor Thyrig III PM, 750 DC with 5 SCR Bays  
**Emergency Power** 1 x Detroit 12V71T

### OPERATING PARAMETERS

**Water Depth** 350' (22' – 350')  
**Maximum Drilling Depth** 25,000'  
**Leg Penetration** \_  
**Air Gap** \_  
**Transit Speed** 3 knot average  
**Survival Conditions** \_  
**Criteria Design** \_

### DRILLING EQUIPMENT

**Derrick** National Bolted Beam Leg, 160' x 30' x 30' rated 1,500,000 lb  
**Drawworks** National E-3000, 3000 HP; Baylor 15050W brake  
**Rotary** National C-375 (37 1/2") opening, driven by 1 x EMD D79 motor, 800 HP  
**Top Drive** Varco TDS-8 rated 750 ton, with PH-100 pipe handler  
**Travelling** National, 750 ton  
**Handling** Varco ST80  
**Cementing** BJ Unit Model 40-75-2, Electric  
**Mud Pumps** 3 x National 12-P-160, triplex, 600 HP  
**Drill Pipe** 5 1/2" S-135 Range II (HT-55 connection)  
**Drill Collars** 8", 6 1/2"

### HOISTING EQUIPMENT

**Craneage** 3 x Le Tourneau PCM-120AS electric, 50 ton at 25' radius

### CAPACITIES

**Variable Deck Load** Transit maximum – 3,940 kips maximum drilling load – 8,468 kips  
**Cantilever Load** Maximum total drilling load: 2,600 kips  
**Total Drilling Load** \_  
**Tubulars in Pipe Rack** \_  
**Liquid Mud** 1,689 bbls  
**Bulk Mud/Cement** 6,936 cu. ft.  
**Sacks** 2,500 sacks  
**Drillwater** 9,727 bbls  
**Potable Water** 1,295 bbls  
**Brine Storage** \_  
**Base Oil Capacity** \_  
**Fuel Oil** \_  
**Watermaker** \_  
**Others** \_

### WELL CONTROL SYSTEMS

**BOP** 1 x Hydril MSP 21 1/4", 2,000 psi; 1 x Shaffer 13 5/8", 5,000 psi annular; 1 x Cameron "U" double ram Preventer 13 5/8", 10,000 psi ; 1 x Cameron "U" single ram preventer 13 5/8", 10,000 psi, 10,000 psi blind shear  
**BOP Handling** 37.5 ton hoist system  
**Control System** 1 x 450 gal, 3,000 psi BOP control system with 3 x control panels  
**Diverter** Hydril MSP, 21 1/4" 2,000 psi  
**TV System** MD Totco x 2 camera (Monkey board)  
**Choke and Kill** 3 1/16" x 10,000 psi with 2 x hydraulic, 2 x manual chokes

### MOORING

**Winches** \_  
**Wire** \_  
**Anchors** \_

**HELIDECK** S-61; 65' diameter

**JACKING AND SKIDDING SYSTEM** LeTourneau A.C. motor 72/hour

**ACCOMMODATION** Rig is rated f/ maximum of 75 people & 2 of the above bunks are in the treatment room

### ADDITIONAL DATA

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