

# MSS1

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## Semi-Submersible

### General Description

**Design / Generation** .....Offshore Company SCP III Mark 2  
**Constructing Shipyard** ..... H. de. J.Barreras  
**Year Entered Service / Significant Upgrades** ..... 1979  
**Classification**.....ABS +A1, Column Stabilized Drilling Unit, (E), (M), CRC  
**Flag** ..... Liberia  
**Overall Dimensions**.....379 ft.long x 265 ft.wide x 170 ft deep  
**Motion Compensator** ..... NOV Shaffer 600k  
**Drafts** ..... 75 ft(Operating) / 31 ft (Transit)  
**Accommodation** ..... 125 persons  
**Displacement**.....30,635 kips  
**Variable Deck**.....6,614 kips operating / 5,512 kips transit  
**Transit Speed** ..... up to 4 knots, @ 9,000 hp sea tug  
**Operating Water Depth** ..... 1,500 ft. designed  
**Maximum Drilling Depth** ..... 25,000 ft

### Drilling Equipment

**Derrick** Bailey Pyramid type; 185 ft high with 40 ft x 40 ft base  
**Hookload Capacity** 1,000,000 lbs gross nominal capacity  
**Riser Tensioners** (6) Houston systems; 160 kips; 50 ft line travel  
**Drawworks** NOV 1625 DE Max hook load 1,000 kips with 12 lines. (3) x GE 752 motors suitable for 1.5" drill line  
**Rotary Table** Oilwell 49.5" table opening, hydraulic drive, rated 453 mt  
**Top Drive** Maritime Hydraulics DDM 650 HY TDS-8SA Electric 650 mt  
**Tubular Handling** Varco AR3200, 3-1/2" to 9-3/4" OD drill pipe & drill collar Make-up torque 100,000ft-lb Break-out torque 120,000ft-lb  
**Mud Pumps** (3) Continental Emsco FB1600 pumps, each driven by 800 hp (GE-752 DC motor) 5,000 psi rated  
**Solids Control** (4) Brandt VSM300 Shale Shakers

### Power & Machinery

**Main Power** (2) Electro Motive 12645 E8, (2) Electro Motive 20645 E9 diesel engines rated at 1,500 hp each / 3,600 hp each at 900rpm with Synchronous Generator rated to 1,050 kW and 2,500 kW respectively  
**Emergency Power** (1) Caterpillar D398 diesel engine rated at 550kW at 900rpm with Kato 550 SR 9D generator rated to 550kW

### Storage Capacities

**Fuel Oil**..... 8,655 bbls  
**Liquid Mud**..... 3,915 bbls  
**Base Oil** ..... 1,500 bbls  
**Brine**..... 1,500 bbls  
**Drill Water** ..... 7,793 bbls  
**Potable Water** ..... 3,214 bbls  
**Bulk Material** ..... (mud + cement) 11,500 cu-ft  
**Sack Storage** ..... 8,000 sacks

### BOP & Well Control Equipment

**LMRP** (1) Shaffer 18-3/4 in x 10 psi annular BOP  
**Marine Risers** (12) Vetco MR 6C, 21" OD, 50ft, X-65, 11,085 lbs, (6) dogs  
**Telescopic Joint** (1) Vetco MR6 19-3/8" ID, 68 ft length, 53.5 ft Stroke  
**BOP Annular** (1) Shaffer 18-3/4" 5k psi annular preventer  
**BOP Rams** (1) Cameron Type U 18-3/4" 10k psi annular preventer  
**BOP Handling** (1) Hydraulic Stahl System, rated 75mt(Dual)/150mt(Parallel)  
**Diverter** Regan KFDS-3, 37-1/2" diverter rated to 500psi with (1) 20" outlet lines

### Mooring Equipment

**Mooring System** (12) 15mt Stevpris anchors 8 x 83mm x ORQ x 4,200ft 4 x 76mm x K4 x 4,500fts pull  
**Station Keeping** Sonardyne Marksman MRAMS (Position Indicator)

### Cranes

**Cranes** (2) Huisman crane, 120mt capacity, 203ft boom length

### Special Features & Other Information

**Helideck** Rated for Sikrosky S-61N helicopters. CAP 437



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Borr Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

