GENERAL DESCRIPTION

Design…………………… Moss CS60E Design 6th Generation, Harsh Environment
Year Entered Service................................................................. 2016
Classification.............................................................. DNV +1A1 Column Stabilized Drilling Unit
Dimensions................................................................. 402 ft long x 255 ft wide
Draft.................................................................................. 77 ft operating
Displacement.................................................................. 67,400T operating
Variable Deck.......................................................... 7,500T operating
Transit Speed............................................................... about 8 knots
Water Depths.................................................................. 10,000 ft
Drilling Depth.............................................................. 35,000 ft

DRILLING EQUIPMENT

Derrick NOV, 210 ft high with 49 ft x 52.5 ft base, load capacity of 2,500kip, capable of 900T setback (35,000 ft)
Drawworks NOV SSGD, five AC electric motors, 1,150hp each, 2,000kip capacity, fourteen 2” drilling line
Compensator NOV 1,000t static, 500t dynamic capacity, 25ft stroke with Active Heave Compensation
Rotary Table NOV, 60 ½”, 1,250t
Top Drive NOV TDX-1000, 1,000t
Tubular handling 2 x NOV ARN-270 Iron Roughneck with full offline standbuilding + 2 x NOV Vertical Hydrarackers-IV-ER
Mud Pumps 4 x NOV 12 P-220, 2,200hp each, 7,500 psi

POWER EQUIPMENT

Main Power 8 x HHI HiMSEN 12H32 Tier II diesel engines rated approx. 6,120 kVA AC generators

STORAGE CAPACITIES

Liquid Mud (mud pits + pontoons)………………………….. 13,332 bbls
Base Oil............................................................................. 3,962 bbls
Brine.................................................................................. 3,962 bbls
Drill Water........................................................................ 12,326 bbls
Potable Water.................................................................... 5,220 bbls
Bulk Material................................................................. 30,366 cu ft (mud + cement)
Sack Storage...................................................................... 5,000 sacks

CRANES

2 x 100T Seatrax 10832 with 200 ft boom
1 x 12T NOV knuckle-boom crane for tubular handling
1 x NOV gantry crane for riser handling

SUBSEA EQUIPMENT

Diverter 60” Shaffer 21 ¼”, 500 psi with 18” flow line
BOP Stack Shaffer 18 ¾”, 15,000 psi six-ram preventer
3 x NXT Double 22” Operators LFSR-CVX
APIS53 compliant
C&K Manifold 3 1/16”, 15,000 psi
Marine Riser Shaffer FT-H 10,000ft, 21” OD, 75 ft long per joint
Tensioners 8 x 450 kip double wireline riser tensioners, Total capacity 3,600 kips with 50 ft of wire travel
Moonpool 29.5 ft x 91.8 ft

STATION KEEPING SYSTEM

Thrusters 8 x 4,800KW / 95mT per thruster
DP System Kongsberg, DP-3, DYNPOS-AUTRO, DYNPOS-ER
Mooring System Fitted with (2) 84mm x 320m R5 chains w/ 18mT Stevpris Mk6 anchors for harbor mooring on the bow and 2 x 82.5mm x 450m RQ-4 chains w/15mT Stevpris Mk6 anchors on the aft, capacity for (8) 84mm x 2,200m R5 chain

OTHER INFORMATION

Accommodation 180 people
Helideck EH-101 or S-92; CAP 437 compliant

These specifications are intended for general reference purposes only, actual equipment may vary upon the contract situation and customer needs.