GENERAL DESCRIPTION

Design: F&G ExD Millennium

Year Entered Service: 2009

Classification: ABS, +A1, Column Stabilized Drilling Unit, Circle E, +AMS, +DP

Dimensions: 244 ft long x 244 ft wide x 127 ft high

Draft: 65 ft operating / 27 ft transit

Displacement: 46,750 m³ operating

Variable Deck: 8,100 m³ operating

Transit Speed: up to 4.5 knots

Water Depth: 10,000 ft

Drilling Depths: 40,000 ft

DRILLING EQUIPMENT

Derrick: MH Hi-Pro Quad 210 ft high with 46 ft x 52 ft base, gross nominal hook capacity of 2,500 kips

Drawworks: Wirth GH-4500, three AC motors, 1,500hp each, with 2” drilling line

Compensator: Passive compensator, 1,500 kips capacity with 25 ft stroke

Rotary Table: Wirth RTSS, 60 ½”

Top Drive: Maritime Hydraulics DDM-1000-AC-2M, 1,000 T

Tubular handling: Maritime Hydraulics Iron Roughneck for tubular range 3 ½” to 9 ¼”

Mud Pumps: 4 x Wirth TPK 2,200hp triplex mud pumps, 7,500 psi

POWER EQUIPMENT

Main Power: 8 x Caterpillar 3616 C280 diesel engines rated 4,800 kW @ 900 rpm

Emergency Power: Caterpillar 3512 diesel engine rated 1,300 kW @ 1,800 rpm

STORAGE CAPACITIES

Liquid Mud: 17,315 bbls

Base Oil: 4,715 bbls

Brine: 4,800 bbls

Drill Water: 14,610 bbls

Potable Water: 10,675 bbls

Bulk Material: 34,110 cu ft (mud + cement)

Sack Storage: 3,050 sacks

CRANES

2 x 100 ton Seatrax S10832 with 170 ft boom
1 x 15 ton Maritime Hydraulics knuckle-boom

SUBSEA EQUIPMENT

Diverter: Vetco KFDS-CSO 21 ½” 500 psi with 16” flow line

BOP Stack: Cameron 'TL 18 ¾" 15,000 psi six-ram preventer

2 x Cameron DL 18 ¾" 10,000 psi annular preventers

APIS53 compliant

C&K Manifold: 4 ½”, 15,000 psi

Marine Riser: Cameron 21” Load King, 75 ft long per joint

Tensioners: 6 x 600 kips. Total capacity 3,600 kips with 50 ft stroke

Moonpool: 28 ft x 136 ft

STATION KEEPING / PROPULSION SYSTEM

Thrusters: 8 x ABB 630 variable speed, fixed pitch, fully azimuthing

DP System: Kongsberg K-POS

OTHER INFORMATION

Accommodation: 164 people

Helideck: Eurocopter EH-101, CAP 437 compliant

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