

ENSCOROWAN

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ENSCO 6002

GENERAL INFORMATION

Flag: Marshall Islands
Previous Name(s): Pride Brazil
Year Built: 2001
Builder: Daewoo Heavy Industry, Korea
Upgrade: 2015
Design: Megathyst – Semi-Submersible
Classification: ABS A-1 Column Stabilized Drilling Unit, AMS, ACCU, DPS-3.

MAIN DIMENSIONS

Length: 249.54 ft
Breadth: 177.36 ft
Depth: 29.53 ft

MACHINERY

Main Power: 6 x Caterpillar 3612-DITA diesel engine, 4,460Hp at 900rpm; each driving 1 Leroy Somer AC-Generator LSA 56 AL 12/8p, 4,715KVA, 6,600V, 60Hz.
Power Distribution: 6 x SCR's Alstom Bauteil division.
Emergency Power: Any main generator can be an emergency generator.
Propulsion: 8 x LIPS (Wartsila) thrusters 1,600KW.
Positioning: KONGSBERG Simrad SDP21 (+SDP11 backup).

OPERATING PARAMETERS

Water Depth: Design & outfitted for 5,600ft.
Drilling Depth: 25,000ft (Maximum)
Transit Speed: 6 knots (at transit draught)
Survival Conditions: Wind: 100 knots; Significant wave height: 55.77ft, max wave period: 14sec.

DRILLING EQUIPMENT

Derrick: Pyramid 163ft x 40ft x 40ft ; 1,300 kips static hook load with 12 lines.
Drawworks: Continental Emsco C-3 type II, 3,000Hp x 3 GE 752RB1 DC motors and Elmagco 7838 electric brake with independent backup system.
Rotary: Continental Emsco model T-4950-65; 49^{1/2}" opening, powered by GE 752 RB1 Hi-Torq DC motor.
Top Drive: Maritime Hydraulics model DDM-650L-DC, 2 speed, 50,400lb/ft. @ 100rpm, rated 650t, 5,000Psi wp.
Cementing: 10,000Psi wp
Mud Pumps: 3 x Continental Emsco FC-1600 triplex pumps, 1,600Hp, 5,000Psi wp.

HOISTING EQUIPMENT

Craneage: 2x Huisman A8506 40mT PMOC pedestal cranes, 124 ft boom; max and min capacities: 88Klb @ 19ft and 33Klb @ 124ft (40mT @ 6m and 15mT @ 38m).

CAPACITIES

Variable Deck Load: Drilling conditions: 7,716kips
Survival conditions: 6,613kips
Transit conditions: 5,511kips

Liquid Mud: 688 cu.m (4,204 bbl)
Bulk Mud/Cement: 285 cu.m (10,057 cu.ft)
Sacks: 360 sacks
Drill water: 1120 cu.m (6,844 bbl)
Potable Water: 398 cu.m (2,432 bbl)
Brine Storage: 275 cu.m (1,681 bbl)
Fuel Oil: 2,096 cu.m (12,807 bbl)

WELL CONTROL SYSTEMS

BOP: 1x ABB-Vetco H4-E well head connector 18-3/4"-10M , also available 1x ABB-VetcoH4-DxE well head connector 16-3/4" - 10M, 1 x Cameron type TL double rams BOP 18-3/4" 10M , with ram lock bonnets. 1x Cameron 18 3/4" 10 M TL BOP with 28" casing super shear bonnet, and non-sealing casing super shear rams. 1x Cameron 18 3/4" 10 M TL single BOP with ram lock bonnets and tandem boosters
1 x Shaffer annular BOP 18-3/4" x 5M ,
1x ABB-Vetco H4-HAR LMRP connector 18-3/4" x 5M
1 xShaffer 18-3/4" x 5M annular BOP,
1 x Oil States flexjoint 18-3/4" x 2M
Handling: 1 x Huisman BOP carrier, 280mT;
2 x Huisman BOP 40mt overhead crane;
1 x Huisman 60mt Xmas tree carrier;
1 x Huisman 40mt Xmas tree overhead crane.
1x Huisman Riser gantry crane, 13 mT.
Control System: Cameron MUX system 5,000psi wp.
Diverter: Hydрил FS21-500, with 12" overboard lines.
Choke and Kill: 3^{1/16}" x 10,000Psi WOM manifold.

MOORING

Winches: 2 x Pellegrini AS-1500/S/E Elect. Winch x170mt brake holding capacity.

HELIDECK

72.18 ft x 72.18 ft, Sikorsky 92, Max take-off weight 12836 Kg

ACCOMMODATION

130 persons

ADDITIONAL DATA

3 x 65 person fully enclosed life boats
4 x 35 person life rafts