

ENSCOROWAN

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ENSCO 5006

GENERAL INFORMATION

Flag: Liberia
Previous Name(s): Pride North America, Marine 700
Year Built: 1998/1999
Builder: Friede & Goldman, Pascagoula, USA
Upgrade: 2015
Design: Bingo 8000, modified by the addition of 22.96ft pontoon extensions Fore & Aft.
Classification: ABS, Maltese Cross 1A1 Column Stabilized Drilling Unit.

MAIN DIMENSIONS

Deck Area: 252.60ft x 213.3ft

MACHINERY

Main Power: 4 x Caterpillar 3608-TA diesel engines x 3,055hp; 4 x Baylor AC generator x 600V 60Hz 3,571kVA.
Power Distribution: 6 x SCR's: M&I x 2,200A 750V DC output for drilling and mooring.
Emergency Power: 1 x Caterpillar 3512-DITA diesel engine 1,281hp; 1 x Caterpillar SR-4 AC generator, 480V, 60Hz 1,137kVA.

OPERATING PARAMETERS

Water Depth: Maximum design value: 7,500ft, Outfitted for 6,200ft.
Drilling Depth: 25,000ft (Maximum)
Variable Deck Load: 6,677 t
Transit Speed: 5 knots with 180t minimum bollard pull
Survival Conditions: 100kt Wind; 105ft Waves at 15s; Current: 1.5kt.

DRILLING EQUIPMENT

Derrick: Loadmaster 172ft x 44ft x 40ft x 1,600,000lbs SHL capacity with 14 lines.
Drawworks: National 1625 UDBE x 3,000hp input; 7838 Elmagco brake.
Rotary: National 60-1/2" powered by GE 752 electric motor
Top Drive: Varco TDS-4S x 2 speeds x 750T x 45,500ft.lb @ 130rpm x 7,500psi WP. NOV, CMC 600-25, 600,000lbs
Drill String Compensator:
Traveling Block: NOV Drecto 760TB750-8C
Pipe Handling: Aker Pipe Racking System, PH-85, AR3200 Iron Roughneck, PS30 slips, BX4-75 elevators
Mud Pumps: 3 x National 14-P-220 x 2,200hp x 7,500Psi WP.

HOISTING EQUIPMENT

Cranage: 1 x Liebherr Kingpost crane MTC-1900-60D Litronic x 60mT at 8.9m with 45.72m boom. 1x NOV Active Heave Crane 165mT with 50m boom.

CAPACITIES

Liquid Mud: 5,100bbls x Surface Mud; 4,800bbls x Reserve Mud (Minor columns)
Bulk Mud/Cement: 22,624ft³
Sacks: 6,000 sacks
Drill water: 12,320bbl
Potable Water: 4,620bbl
Fuel Oil: 16,650bbl

WELL CONTROL SYSTEMS

BOP: Vetco SHD-H4 Well head connector x 18 3/4" x 15,000Psi wp; 2 x Cameron 18 3/4" type TL double x 15,000Psi WP H₂S trimmed preventers; 1 x Cameron x 18 3/4" type TL single x 15,000Psi wp H₂S trimmed preventers; 1 Hydрил x 18 3/4" dual annuflex annular x 10,000Psi wp H₂S trimmed; LMRP: 1 Hydрил x 18 3/4" dual annuflex annular x 10,000Psi wp H₂S trimmed; Cameron connector model HC, 18 3/4" x 15,000Psi wp; Oil State 5,000Psi flex joint. 1 x 400mT BOP carrier; 1 x 185mT X-mas Tree Carrier; 2 x 125mT BOP overhead crane; 1 x 110mT X-mas Tree overhead crane
BOP Handling:
Control System: Cameron Multiplex system MK III, 5,000Psi
Diverter: GE Hydрил FS-21-500 x 21 1/4" for a 60 1/2" rotary x 500Psi wp; 2 x 14" vent line and 1 x 18" flow line outlets.
Choke and Kill: WOM 15,000Psi x 3" H₂S service manifold.

MOORING

Winches: 4 x Skagit double drum traction winches.
Wire: 10,500ft x 3 3/4" wire and 3,000ft x 3 1/4" R4 chain.
Anchors: 8 x Vryhof Stevpris MK 6 anchors x 22mT

HELIDECK

Sikorsky S-92, 84ft x 84ft

ACCOMMODATION

140 persons

ADDITIONAL DATA

4 x Norsafe 70-man (rated 98kg/man) totally enclosed life boats; 7 x 25 man life rafts.