

ENSCOROWAN

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ENSCO 76

GENERAL INFORMATION

Flag: Liberian
Owner: EnSCO plc
Previous Name(s): Chiles Coronado
Year Built: 1999
Builder: TDI-HALTER INC.
Upgrade:
Design: MLT Super 116-C
Classification: Non-Propelled MODU

MAIN DIMENSIONS

Length: 243 ft
Breadth: 206 ft
Depth: 26 ft
Legs: 411 ft
Leg Spacing: L129 ft, Trans. 142 ft
Cantilever: 65 ft Aft of hull transom +/-15ft Port to Stbd off CL
Spud Cans: Diameter 46 ft, area 1,585 ft²
Deck Area: General storage 3,200 ft²

DRAFT AND DISPLACEMENT

Transit Draft: 16.08 ft
Transit Displacement: 25,935 kips

MACHINERY

Main Power: Cat model 3606 x 4 engines rated @ 2,514 HP each driving 3,000 KVA continuous, 60 Hz, 600V AC Kato generators
Power Distribution: Ross Hill model 1860 SCR 5-Bay
Emergency Power: Cat model 3508-DHA x 1,019 HP

OPERATING PARAMETERS

Water Depth: 350 ft
Drilling Depth: 30,000 ft (maximum)
Length Below Hull:
Air Gap: 105 ft (as equipped)
Transit Speed: 4.5 knots average
Survival Conditions: 100 knot wind, 41 ft sea, 1 knot current.
Criteria Design:

DRILLING EQUIPMENT

Derrick: Dreco 170 ft x 40 ft x 30 ft x 1,500 kips
Drawworks: National 1625-UDBE, with disc brake
Rotary: National D-495 x 49-1/2" independent electric drive
Top Drive: Varco TDS-8SA x 750 mt x 7,500 psi power swivel rated to 65,000 ft/lbs @ 100 rpm
Crown: Dreco, Model No. 6X60 x 750 mt x 6 Sheaves x 1-5/8" wire size
Travelling: American Block x 750 mt x 60 ft sheaves x 1-5/8" Line size
Handling: Varco PS30 Range 5-7/8" to 20" and ST120 Iron roughneck
Cementing: 3rd party supplied (free placement only)
Mud Pumps: 3 x NOV 14P-220 x 2,200 HP x 7,500 psi
Drill Pipe: 24,000 ft x 5-1/2" x 24.7lb, 10,000 ft x 4.0"
Drill Collars: 6 x 10" OD, 12 x 9" OD, 24 x 8" OD, 24 x 6" OD

HOISTING EQUIPMENT

Cranage: 3 x LeTourneau PCM120SS pedestal cranes; 50 sT capacity @ 20 ft radius; 15 sT capacity @ 100 ft radius equipped with CCTV boom cameras; weight & boom angle indicators.

CAPACITIES

Variable Deck Load: 8,000 kips
Cantilever Load: 1,500 kips @ 57 ft, 1,100 kips @ 65 ft
Tubulars in
Pipe Rack: 280 stands 5-1/2" DP
Liquid Mud: 4,478 bbl
Bulk Mud/Cement: 10,880 ft³
Sacks: 5,000 sacks
Drill water: 11,648 bbl
Potable Water: 726 bbl
Brine Storage: Site Specific
Base Oil Capacity: 1,000 bbl
Fuel Oil: 4,630 bbl
Watermakers: 2 Specific equipment Company / Model-SE132-ROMS-1 Capacity Rated-13,200 us/gpd.

WELL CONTROL SYSTEMS

BOP: 1 x 18-3/4" BOP x 10,000 psi Annular, 4 cavity 18 3/4" x 15,000 psi NXT, 3 cavity 26 3/4" x 3,000 psi Cameron and Shaffer 30" x 1M Annular
BOP Handling: 2 x 75 mt chain hoists
Control System: Massco Model SSB240-3S11
Diverter: 1 x Vetco KFDJ-J-2000 x 27-1/2" ID, 1 x Vetco KFDJ-J-500 x 49.5 Rotary table, Standard bore, NOM 39.0 x EC-6 pin down
TV System: Drillers monitor & 5 camera locations
Choke and Kill: 3-1/16" x 15,000 psi with 2 SWACO hydraulically adjustable choke; 2 x manual chokes

MOORING

Winches: None
Wire: None
Anchors: None

HELIDECK

S-61N

JACKING AND SKIDDING SYSTEM

Elect R&P

ACCOMMODATION

100 berths

ADDITIONAL DATA

Mud cleaning facilities: 1 x Brandt VSM 300 with (thirty two 4" cones) and 3 Desander cones: 500gpm
Shale Shaker: 4 x Brandt VSM 300 Balanced Elliptical motion
Sewage treatment: Super Trident ST-8; zero discharge (single point)
Drilling Instrumentation: Mud Watch 4; RigSense 3.12