

ENSCOROWAN

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ENSCO 96

GENERAL INFORMATION

Flag: Liberian
Previous Name(s): Essex; Penrod 96; Dual Rig 96
Year Built: 1982
Builder: Hitachi Zosen, Japan
Upgrade: 2014
Design: Hitachi 250-C, self-elevating cantilever Jackup
Classification: A.B.S. A-1 self-elevating mobile offshore drilling unit

MAIN DIMENSIONS

Length: 193.6 ft
Breadth: 173.9 ft
Depth: 21.33 ft
Legs: 3 x 355 ft Triangular Truss
Leg Spacing: 121.39 ft between stern legs; 124.02 ft between stern and bow legs
Cantilever: 40 ft x 24 ft
Spud Cans: 43.96 ft across flats x 19.68 ft high
Deck Area: Pipe Rack 4,090 ft² misc. 750 ft²

DRAFT AND DISPLACEMENT

Transit Draft: 14.36 ft (to 70 knot wind)
Transit Displacement: 8,984 mt (to 70 knot wind)

MACHINERY

Main Power: 4 x EMD 12-645-E8 diesel engines (1,650 HP) EMD AB20-6 (1,050 kW) generators
Power Distribution: Five Bay Baylor Thyrig III PM, 750V DC SCR conversion system.
Emergency Power: Caterpillar 3512B 1360 kW generator

OPERATING PARAMETERS

Water Depth: 250 ft (13 ft – 250 ft)
Drilling Depth: 25,000 ft (maximum)
Length Below Hull:
Air Gap: 35 ft
Transit Speed: 4 knots
Survival Conditions: wind @ 100 knots
Criteria Design: Max wave height 39.4 ft; air gap 36 ft; wave period 8.9; surface current 1.5; penetration 25 ft

DRILLING EQUIPMENT

Derrick: Loadmaster 160 ft x 30 ft x 30 ft x 1,000,000 lbs Static hook load capacity
Drawworks: National 1320 – UE (2,000 HP) Baylor Model 7040 brake with battery backup
Rotary: National C-375, 37 1/2" w/ independent electric drive
Top Drive: Varco TDS-4
Crown: National 760 FA x 1,000,000 lbs
Travelling: 500 mt
Handling: VARCO ST-80
Cementing: Halliburton SKD-4 unit, Twin triplex HT 400 pumps (free placement only).
Mud Pumps: 2 x National 12-P-160 triplex pumps with P-Quip rod and liner retention system
Drill Pipe: 18,000 ft x 5" HT-50; 16,000 ft x 4" XT-39
Drill Collars: 9 1/2"; 8 1/4"; 6 1/4"; 6 3/4"; 4 3/4"

HOISTING EQUIPMENT

Craneage: 2 x Letourneau PCM-120AS x 100 ft booms x 45.35 mt @ 25 ft

CAPACITIES

Variable Deck Load: Transit: 2,450 kips, Drilling (Mild Weather Region): 5,644 kips, Survival: 2,194 kips
Cantilever Load: 1,700 kips @ Centre Line
Total Drilling Load: 1,000,000 lbs
Tubulars in Pipe Rack: 205 stds of 5" w/ 6-5/8" tool joints
Liquid Mud: 1,701 bbls
Bulk Mud/Cement: 4,000 ft³ / 4,000 ft³
Sacks: 1,000 sacks
Drill water: 3,360 bbls
Potable Water: 1,501 bbls
Brine Storage:
Base Oil Capacity: 357 bbls
Fuel Oil: 2,206 bbls

WELL CONTROL SYSTEMS

BOP: Shaffer annular 13 5/8" x 5,000 psi; Cameron x 13 5/8" x 10,000 psi "U" single & double ram preventer.
BOP Handling: JD Neuhaus 2 x 25 mt
Control System: CAD System – Model: # CAD3600920078EU2
Diverter: 29 1/2" Hydril MSP 500 psi; Shaffer 21 1/4" x 2,000 psi
Choke and Kill: 3 1/16" x 10,000 psi x 2 manual and 2 auto Swaco chokes.

MOORING

Winches: N/A
Wire: N/A
Anchors: N/A

HELIDECK

Sikorsky-61 or equivalent 20,500 gross lbs / 9.30 mt

JACKING AND SKIDDING SYSTEM

National rack and pinion system

ACCOMMODATION

100 berths

ADDITIONAL DATA

Shale Shaker: 3 Brandt VSM 300 with desander desilter; 2 x 58 man Watercraft Lifeboats, 8 x 25 man life rafts, Fassmer Fast Rescue Craft with hydraulic davit
TV System: CamPro IP cctv System 5 cameras
Water makers: 1 x Model SE211ROAS-1-SPCL RO unit
Sewage Treatment: Omnipure 12M x MP-11 MSD, 120 People; zero discharge (single point)