



ENSCO 92

GENERAL INFORMATION

Flag:	Liberia
Previous Name(s):	Penrod 92
Year Built:	1982
Builder:	Marathon Le Tourneau Pte Ltd, Singapore
Upgrade:	1996
Design:	Marathon Le Tourneau Class -116-C
Classification:	ABS self-elevating cantilever Jackup

MAIN DIMENSIONS

Length:	243ft
Breadth:	200ft
Depth:	26ft
Legs:	3 x 343ft – Square truss
Leg Spacing:	Transverse 142ft / Longitudinal 129ft
Cantilever:	Aft 45ft / 12ft x 12ft Transverse.
Spud Cans:	46ft diameter x 24ft height
Deck Area:	7,116ft ² pipe rack only

DRAFT AND DISPLACEMENT

Transit Draft:	16ft
Displacement:	23,442.52Kips (Transit)

MACHINERY

Main Power:	Total 4,760KW from 2 x EMD 12-645-E9B turbo each rated at 2,500Hp and 1 x EMD 12-645-8 Rootes Blown diesel rated at 1,650Hp.
Power Distribution:	600/480/240/120V AC, 60Hz, 750V DC SCR system.
Emergency Power:	1 x 480V AC, 60Hz, 350KW generator.

OPERATING PARAMETERS

Water Depth:	210ft
Drilling Depth:	25,000ft (Maximum)
Length below hull:	
Air Gap:	50ft – 110ft
Transit Speed	4.5Knots
Survival	
Conditions:	210ft water depth; 50ft waves; 70Knots wind; current: 1.5 knots
Criteria Design:	MODU code 79

DRILLING EQUIPMENT

Derrick:	Dreco Beam Leg x 170ft x 30ft x 30ft x 1,333,000lbs hook load.
Drawworks:	National 1320-UE, 2,000Hp with emergency rotary drive and Baylor 7040 brake.
Rotary:	National C-375 independent electric
Top Drive:	Varco TDS-4H with PH-85 pipe handler
Travelling Block:	National B-500; swivel: National P-650
Handling:	Varco AR 3200 Iron Roughneck
Cementing:	Halliburton SKD-4-Unipro 2 (Fre placement only)
Mud Pumps:	3 x National 12-P-160 triplex 1,600Hp
Drill Pipe:	5-1/2" x 24.7lb/ft., HT 55, S-135, 15,000ft
Drill Collars:	9-1/2"; 8-1/4"; 6-1/2"

HOISTING EQUIPMENT

Crane:	1x Dreco 48 DNS 120ft, 40.75Ton @ 40ft 2 x MLT PCM-120ft, 32Ton @ 40ft
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CAPACITIES

Variable Deck Load:	7,020.8 kips (including drilling load); 4,020.8 kips transit/survival
Cantilever Load:	Max: 1,250,000lb with individual loads; hook: 1,250,000lb; rotary: 900,000lb; setback: 450,000lb; pipe rack: 800,000lb.

Tubulars in	
Pipe Rack:	5,000lb/ft
Liquid Mud:	1,824bbl
Bulk Mud/Cement:	9,250ft ³ combined.
Sacks	2,500sacks
Drill water:	8,243bbl
Potable Water:	1,294bbl
Brine Storage:	2 x 500bbl
Base Oil Capacity:	2 x 500bbl
Fuel Oil:	7,160bbl

WELL CONTROL SYSTEMS

BOP:	Cameron double Ram 21-1/4" x 2,000Psi; Hydril annular 21-1/4" x 2,000Psi; Hydril GX annular, 13-5/8" x 5,000Psi; Cameron type "U" double Ram 13-5/8" x 10,000Psi with FXT shear bonnets; Cameron type "U" single Ram 13-5/8" x 10,000Psi; all BOP's H ₂ S service.
BOP Handling:	2 x JD Neuhaus 25Ton trolley system
Control System:	Shaffer BOP control unit to API standard + 5k FXT HPU.
Diverter:	ABB Regan KFDJ 2,000Psi.
Choke and Kill:	3-1/16" x 10,000Psi choke manifold with 2x adjustable chokes and 2 x remote operated chokes.

MOORING

Winches:	4 x Marathon LeTourneau 2 W-1500 TS
Wire:	4 x 2,300ft x 1-1/2" diameter.
Anchors:	1 x 5Ton LWT

HELIDECK

S-61

JACKING AND SKIDDING SYSTEM

Electric rack and pinion jacking and longitudinal skidding,
 Hydraulic transverse skidding

ACCOMMODATION

90 berths + 2 berth hospital

ADDITIONAL DATA

4 x SWACO BEM 650 shakers; 2 x 50 Pax and 2 x 60 Pax lifeboat; 6 x 19 man life raft; 200 M/T tensioner system; zero discharge single point simultaneous drilling and production modified for concurrent operations.

Watermaker: Included.