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ENSCO 98

GENERAL INFORMATION

Flag U. S.
Previous Name(s) Penrod 63, ENSCO 63
Year Built 1977
Builder Marathon LeTourneau, Vicksburg, Mississippi
Upgrade 2003/2007/2009
Design Marathon LeTourneau Class 82 SD-C Jackup
Classification A. B. S.

MAIN DIMENSIONS

Length 207' – 4"
Breadth 176'
Depth 20'
Legs 3 x 360' Triangular Truss
Leg Spacing Longitudinal leg centers 121.67'; transverse leg centers 120'
Cantilever Maximum 47' (with 7' extensions) overhang from stern to rotary centerline; maximum 10' rotary displacement to either side of longitudinal centerline.
Spud Cans 40' diameter x 21' high
Deck Area _

DRAFT AND DISPLACEMENT

Transit Draft 12'
Transit Displacement 15,613 kips

MACHINERY

Main Power 3 x EMD 12-645-E8 engines, 4,950 HP; 3 x EMD AB20-N6, 2,100 KW, 600 V generators
Power Distribution Baylor Thyrig 20,000 FX5 750 DC with 5 SCR Bays
Emergency Power 1 x Cat 3508B, rated 912 HP

OPERATING PARAMETERS

Water Depth 250' (13' – 250')
Maximum Drilling Depth 20,000'
Leg Penetration 25'
Air Gap 110' max
Transit Speed 4.5 knots
Survival Conditions 1980 kips VDL
Criteria Design 100 knot wind, 40' wave, 12 sec period

DRILLING EQUIPMENT

Derrick Derrick Service Inc., standard K, 160' x 30' x 30' rated 1,000,000 lb
Drawworks National 1320-UE, 2,000 HP; Baylor 7838 brake
Rotary National C-375, 37 1/2" opening, driven by D79 electric motor, 800 HP, w/2 speed transmission
Top Drive Varco BJ TDS-3 H rated 500 ton with PH-60 pipe handler system
Travelling National 660H500, 500 ton
Handling No Iron Roughneck
Cementing Halliburton, electric driven
Mud Pumps 2 x National 12P-160, triplex, 800 HP
Drill Pipe N/A
Drill Collars N/A

HOISTING EQUIPMENT

Craneage 2 x LeTourneau PCM-120AS electric, 50 ton at 24' radius
LeTourneau PCM-120AS electric, 45 tons @ 24' radius

CAPACITIES

Variable Deck Load 4,590 kips
Cantilever Load _
Total Drilling Load 1,000 kips
Tubulars in Pipe Rack 4,260 sq. ft.
Liquid Mud 1,472.88 bbls
Bulk Mud/Cement 7,755 cu. ft.
Sacks 2,500 sacks
Drillwater 6,655 bbl
Potable Water 983 bbl
Brine Storage _
Base Oil Capacity _
Fuel Oil 2,285 bbl
Watermaker _
Others _

WELL CONTROL SYSTEMS

BOP 1 x Shaffer 13 5/8" 10,000 psi annular; 1 x Cameron "U" double ram preventer 13 5/8", 10,000 psi; 1 x Cameron "U" single ram preventer 13 5/8", 10,000 psi; 21 1/4" 2K Hydril annular; T3 20 3/4" 3K Double; T3 20 3/4" 3K Single
BOP Handling 2 x 37.5 ton hoist system
Control System 1 x 375 gal, 3,000 psi BOP control system with 3 x control panels
Diverter 29 1/2" T3, 500 psi (shared)
TV System Orals model Eel, Derrick camera (above Monkey & Stabbing board)
Choke and Kill 3 1/16" x 10,000 psi with 2 x hydraulic, 2 x manual chokes

MOORING

Winches none
Wire _
Anchors _

HELIDECK S-61; 65' diameter

JACKING AND SKIDDING SYSTEM LeTourneau electric motor, 90'/hr

ACCOMMODATION 96 berths

ADDITIONAL DATA

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