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ENSCO 99

GENERAL INFORMATION

Flag U. S.
Previous Name(s) Penrod 99
Year Built 1985
Builder Marathon LeTourneau Brownsville, Texas
Upgrade 1989 & 2005
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 40' overhang from stern to rotary centerline; maximum 10' rotary displacement to either side of longitudinal centerline; drilling pattern length 40', width 20'
Spud Cans 40' diameter x 21' high
Deck Area _

DRAFT AND DISPLACEMENT

Transit Draft 11.28'
Transit Displacement 14,682 kips

MACHINERY

Main Power 3 x EMD 12-645E9B engines, 2,500 HP; 3 x EMD AB20-6, 5,595 KW, 600 V generators
Power Distribution IPS 2200 M 750 DC with 5 SCR Bays
Emergency Power 1 Detroit 12 V engine x 300 KW, 480 V generator

OPERATING PARAMETERS

Water Depth 250' (12' – 250')
Maximum Drilling Depth 30,000' with 5" DP
Leg Penetration _
Air Gap _
Transit Speed 5 knots
Survival Conditions _
Criteria Design _

DRILLING EQUIPMENT

Derrick Dreco beam leg, 160' x 30' x 30' rated 1,348,000 lb
Drawworks National 1625 DE, 3,000 HP; Baylor 7838-K brake
Rotary National C-375 (37 1/2") opening, driven by 1 GE-5GE761AJ1 direct drive electric motor, 450 HP
Top Drive Varco BJ TDS-5 rated 650 ton with PH-85 pipe handler
Travelling Block/beckett National 760H650, 650 ton; National H-650, 650 ton
Handling Varco ST-80
Cementing Haliburton SKE4, Electric Dual Skid, 2 triplex 15,000 psi
Mud Pumps 3 x National 12-P-160, triplex, 1,600 HP
Drill Pipe 5" range 2 S-135
Drill Collars 6 1/2", 8"

HOISTING EQUIPMENT

Craneage 3 x LeTourneau PCM-120AS electric, 50 ton at 24' radius

CAPACITIES

Variable Deck Load 3,473 kips (includes drilling load) 2,458 kips afloat
Cantilever Load _
Total Drilling Load 1,425 kips
Tubulars in Pipe Rack 1,440 sq. ft.
Liquid Mud 1325.78 bbls
Bulk Mud/Cement 7,755.2 cu. ft.
Sacks 2,500 sacks
Drillwater 6,630 bbls
Potable Water 983 bbls
Brine Storage _
Base Oil Capacity _
Fuel Oil 2,059 bbls
Watermaker _
Others _

WELL CONTROL SYSTEMS

BOP 1 x Shaffer 13 5/8", 5,000 psi annular; 1 - Shaffer single ram preventer 13 5/8", 10,000 psi; 1 x Shaffer "SL" double ram preventer 13 5/8", 10,000 psi
BOP Handling 2 x 75,000 lb hoist system
Control System 1 x 450 gal, 3,000 psi BOP control system with 2 control panels and unit
Diverter Shaffer, 21 1/4" 2,000 psi
TV System Totco system with 1 camera @ pipe racker and 1 camera @ Stabbing board, 1 monitor
Choke and Kill 3 1/16" x 10,000 psi with 2 x hydraulic and 2 x manual chokes

MOORING

Winches _
Wire _
Anchors _

HELIDECK S-61; 65' diameter

JACKING AND SKIDDING SYSTEM LeTourneau rack & pinion 90'/hour

ACCOMMODATION 90 berths

ADDITIONAL DATA

Shakers 4 x Derrick Corp. FLC-514; Degasser Derrick Corp. VACU-FLO 1000