



EnSCO North & South America
620 Moulin Road
Broussard, LA 70518-9978 USA
Phone: 337 837 8500
Fax: 337 837 8501
E-mail: marketing.na@enscoplc.com
www.enscoplc.com



ENSCO 82

GENERAL INFORMATION

Flag U.S.
Previous Name(s) Penrod 82
Year Built 1979
Builder Marathon LeTourneau Shipyard, Vicksburg, Mississippi
Upgrade 2003
Design Marathon LeTourneau 116-C
Classification A. B. S.

MAIN DIMENSIONS

Length 243'
Breadth 200' - 5"
Depth 26'
Legs 3 X 410' Square Truss
Leg Spacing Longitudinal leg centers 129'; transverse leg centers 142'
Cantilever Maximum 60' overhang from stern to rotary centerline; maximum 12' rotary displacement to either side of longitudinal centerline; drilling pattern length 60', width 24'
Spud Cans 46' diameter x 24' high to top of trunk
Deck Area _

DRAFT AND DISPLACEMENT

Transit Draft 16'
Transit Displacement 23,442 ton

MACHINERY

Main Power 1 x EMD12-645-E8, 1,650 HP; 2 EMD 12-645-E9, 2,150 HP; 3 x AC synchronous generators, 2,100KW, 600 V generators
Power Distribution M & I electric SCR power units with controls for 6 x DC drilling motors
Emergency Power 1 x Cat 3508 B, rated 912 HP

OPERATING PARAMETERS

Water Depth 300' (20' - 300')
Maximum Drilling Depth 30,000' with 5" DP
Leg Penetration Water and air gap dependent
Air Gap Max 90'
Transit Speed 4 - 5 knots
Survival Conditions _
Criteria Design _

DRILLING EQUIPMENT

Derrick MH-Pyramid 160' x 30' x 30'; rated 1,500,000 lb
Drawworks National 1625-DE, 3,000 HP; 15050 Baylor brake electric
Rotary National C-375 37 1/2" opening, driven by 1 x GE 761AJ electric motor
Top Drive Varco electric, 750 ton capacity
Travelling Block: Shaffer, 750 ton
Handling Varco ST-80
Cementing Halliburton SKD 4E electric driven
Mud Pumps 3 x National 12-P-160, triplex, 1,600 HP
Drill Pipe 5" range 2 S-135
Drill Collars 8"; 6 1/2"

HOISTING EQUIPMENT

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

CAPACITIES

Variable Deck Load 7,780 kips
Cantilever Load _
Total Drilling Load 1,105 ton
Tubulars in Pipe Rack 4,260 sq. ft.
Liquid Mud 1,972 bbls
Bulk Mud/Cement 6,880 cu. ft.
Sacks 2,500 sacks
Drillwater 11,050 bbls
Potable Water 1,294 bbls
Brine Storage _
Base Oil Capacity _
Fuel Oil 7,250 bbls
Watermaker _
Others _

WELL CONTROL SYSTEMS

BOP 1 x Shaffer 13 5/8" 5,000 psi annular; 1 x Cameron "U" 13 5/8" 10,000 psi single ram preventer; 1 x Cameron "U" 13 5/8" 10,000 psi double ram preventer, includes 1 x shear/blind with booster
BOP Handling 2 x LeTourneau electric each 60,000 lb handling system
Control System 1 x 540 gal, 3,000 psi powered BOP control system with 3 x control panels
Diverter 1 x Shaffer 21 1/4" 2,000 psi with Cameron 12" ball valves
TV System Video Marine International JELEC, to driller house, Monkey and Stabbing Board
Choke and Kill 3 1/16" x 10,000 psi with 2 x manual and 2 x hydraulic chokes

MOORING

Winches _
Wire _
Anchors _

HELIDECK S-61; 65' diameter
JACKING AND SKIDDING SYSTEM LeTourneau A.C. electric rack and pinion, 90'/hr
ACCOMMODATION 79 berths

ADDITIONAL DATA

-