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ENSCO I

GENERAL INFORMATION

Flag Liberian
Previous Name(s) _
Year Built 1998
Builder TDI Halter
Upgrade 2002 by Keppel FELS: add bottom barge
Design Barge on barge concept
Classification ABS Maltese Cross A1 Drilling Barge

MAIN DIMENSIONS

Length 277.5'
Breadth 115'
Depth 31.5'
Cantilever L37.5' x W36'
Deck Area 6,825 sq. ft.

DRAFT AND DISPLACEMENT

Transit Draft 10'
Transit Displacement 18,652 kips @ S.G. 1.00

MACHINERY

Main Power 5 Cat D-3512B (7,380 HP); driving Kato 1,050 KW generators
Power Distribution Ross Hill SCR system
Emergency Power 1 Cat D-3508B (915 HP) driving Kato 600 KW generator

OPERATING PARAMETERS

Water Depth 23.5'
Maximum Drilling Depth 18,000'
Leg Penetration _
Air Gap _
Transit Speed 3 knots
Survival Conditions 40 knot winds water depth 23.5'
Criteria Design As above

DRILLING EQUIPMENT

Derrick Dreco 170' x 30' x 30'; static hook load 1,000,000 lb; can move with full set-back (field move only)
Drawworks National 1320-UE, 2,000 HP; Baylor model 7838 brake
Rotary National 37.5" D-375 independent drive
Top Drive 1 x Varco TDS-4H
Travelling Dreco B-500
Handling Varco PS-21 hydraulic slips; Varco IR-3200 iron roughneck, rotating mouse hole
Cementing Halliburton HT 400 high speed unit (free placement only)
Mud Pumps 3 x National 12-P-160, triplex, 1,600 HP; P-Quip valve and liner retention systems
Drill Pipe 5" S-135, 2 7/8" S-135
Drill Collars 9", 8", 6 1/2" & 3 1/8"

HOISTING EQUIPMENT

Crane 2 x Dreco Kingpost 48; 40 ton @ 25' dynamic; 50 ton @ 25' (static)

CAPACITIES

Variable Deck Load 4,700 kips estimated
Cantilever Load 1,500 kips
Total Drilling Load _
Tubulars in Pipe Rack 600 kips
Liquid Mud 5,120 bbls (2 systems)
Bulk Mud/Cement 8,400 cu. ft.
Sacks 600 kips
Drillwater 6,590 bbls
Potable Water 1,294 bbls
Brine Storage ___ bbl
Base Oil Capacity _
Fuel Oil 4,285 bbls
Watermaker 1 x Alpha Laval D-UP-36-C100 @ 10,000 gpd, 1 x Spec. Equip. R.O watermaker @15,000GPD
Others _

WELL CONTROL SYSTEMS

BOP 1 x annular 13 5/8" x 5,000 psi Shaffer spherical; 1 x Cameron "U" double ram 13 5/8" x 10,000 psi; 1 x Cameron "U" single ram 13 5/8" x 10,000 psi;
BOP Handling JD Neuhaus 2 x 20 Ton
Control System Shaffer T30240-3S 24 x 11 gal bottles
Diverter Hydrill 29 1/2" MSP 500 psi + diverter spools with 12" ball valves x 2
TV System _
Choke and Kill 1 x Shaffer 3 1/16" x 10,000 psi with 2 manual and 2 hydraulic chokes

MOORING

Winches _
Wire _
Anchors _

HELIDECK

Bell 212 or equivalent
JACKING AND SKIDDING SYSTEM _
ACCOMMODATION 100 berths

ADDITIONAL DATA

Mud cleaning facilities: Brandt LCM2D-24 x 2 Mud Cleaner: 3 x 12 Shale Shakers: Brandt LCM2D Cascade Shakers x 4
Degasser: Brandt D610 Sewage treatment: Hamworthy super trident 8 x 1,200 gal/day